

CLUB STATION
K6SON

Short Skip

The Newsletter of

Sonoma County Radio Amateurs, Inc.

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<http://www.sonomacountyradioamateurs.com>

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REPEATER STATION
W6SON

Volume 41, Number 6

June 2016

40th Anniversary Issue!

The first issue of "Short Skip" hit the printing press in June, 1976. It is reprinted in its entirety on pages 2 and 3 of this issue.

FIELD DAY - FROM HUMBLE BEGINNINGS

1933: Field Day #1 QSO Leader Uses 1x4 Call Sign to Save Time

Great ideas often have humble beginnings, and Field Day is no exception. A one-column announcement in the June 1933 QST states that, for 27 hours starting the second Saturday in June at 4PM local time (no daylight savings yet!), there would be an opportunity for "portables" to go into the field to contact as many stations as possible. Says F. E. Handy, W1BDI, in the announcement, "The real object of this contest is to test 'portables' wherever they may be available.... If successful, we want to make it an annual affair." To score the event, each QSO with fixed stations will count 1 point, contacts with other portables count 2 points, and DX contacts count 3 points. Multiply QSO points by the total number of ARRL sections, plus countries worked. No mention is made of a required exchange, which clearly must include an ARRL section!

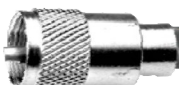
The September 1933 QST announces that the winner of the First Annual Field Day is a non-club group signing W4PAW. Club members made 62 QSOs and had a multiplier of 28 sections/countries for a grand total of 1876 points. The Central Illinois Radio Club, W9ZZAL, tops the QSO totals with 98! What's the "ZZ" all about? Until 1933 it had been necessary to get a special license to operate portable, and these licenses all had suffixes starting with ZZ. In 1933 the FCC al-

lowed portable operation under a home call sign. Why did the CIRC use their old call sign? Well, operating portable under the new rule called for an even longer station ID—your call sign followed by the break sign (double dash) three times, followed by the call area (1 through 9)!

-excerpted from "Field Day A Mirror of Amateur Radio History" by Roll Anders, K3RA, QST, December 1999



By the '50s Field Day had grown into a major event worthy of its own QST cover. (June 2016 QST is a Field Day Issue!)





CONGRATULATIONS!

You are now the owner of the first Sonoma County Radio Amateurs' Newsletter. This charter copy is bound to become a collector's item in years ahead. The concept of a newsletter has been around for years, but not until WB6EKV got the ball rolling by making necessary arrangements for printing and appointing a volunteer editor did the idea turn into reality. How this newsletter will develop and the type of material it will contain depends entirely on the wishes of the club members. Any member who would like material included in the newsletter should contact the club president, Bob Sones, WB6EKV, at 528-5321, or Wayne Light, W6RIA, 527-0456. The survival of this newsletter depends on you, the members.

MEETING

Everyone will want to attend our next meeting Wednesday, June 2, 1976, at the Red Cross Building, 3911 Princeton Drive, Santa Rosa. Our agenda is especially interesting this time in that the Santa Rosa City Schools Emergency Communication Plan will be discussed. If you have two meter capability, we need your help in providing coverage of Santa Rosa City Schools in times of an emergency or emergency drill.

Also on the agenda is a short quiz on radio theory and practices.

Vern Spillman, K8CWX, will talk to us regarding his work at Optical Coating Company.

Yes, there will be a raffle. This will be loser's choice, so be sure and bring your old tickets. This may be your last chance to go home as a winner. Donations for the raffle are always gladly accepted and appreciated.

VHF DAY

Remember, VHF Day is June 12-13, 1976.

This year Field Day will be bigger and better than ever. Mark your calendars for June 26 and 27, and plan to participate. Everyone is welcome. There will be a Field Day organization meeting June 14, 1976, at WA6GML and WA6IQJ's home. Their QTH is 915 Fourth Street. If you plan to participate on Field Day, this meeting will be important to you.

DID YOU KNOW?

K6XVW, John Beeds, has retired so he can spend full time with his garden and amateur radio hobby. John is chief engineer and caretaker of WRSAPU located on Mt. St. Helens.

WA6SYS, Glenn Elmore, has purchased a new QTH on Olivet Road. The first signals are an indication that this is a perfect spot for VHF and UHF work. Glenn is presently active on UHF, including 1296MHz.

Bob Naple, K8CE, is active on two meters and did very well at the hidden transmitter hunt last meeting. Bob is a good fellow to talk to about the old AM days of the 50's and 60's.

Donald Christensen, W6DEN, bought a new speaker mike for his hand held Wilson. Don has plans of going both mobile and portable with his new rig.

Audra Light, WA6EVD, and Wayne Light, W6RIA, were winners of the recent hidden transmitter hunt. It appears that everyone had a great time trying to find the "bunny" that was hidden under a bridge. Although everyone immediately was within 100 yards of the hidden transmitter, it took nearly 40 minutes for most of the fellows to find the transmitter, this is with the exception of Phil Payne, WA6QCR, who won the booby prize. I'm sure Phil will be delighted to tell you how long it took him to find the transmitter.

Bob Wolbert, AA6NPF, has nearly 200 JA stations worked, plus many other countries. It seems that Bob is giving Glenn, WA6SYS, much competition even though Glenn has a genuine Dog X-ray hanging on his wall.

W6JOX, Charles Prindle, is very active on RTTY. In fact, he is considered the local expert on the subject.

WB6RDF, Loren Eggleston, has been attempting air mobile operations recently. At last count, Loren had two airplanes, both of them grounded, but hopes to be aeronautical mobile soon.

Ron Pipes, WB6NER, is running novice classes very successfully. Contact Ron for more information.

Terry LaDuke, WA6RNF, was second runnerup for our transmitter hunt. Terry was using a small weather radio with a 12" whip. Congratulations, Terry, especially when one considers the competition of a 12 element beam with a 100 dB attenuator. (What went wrong, Sam?)

REMEMBER

Anything that you would like to appear in this newsletter should be sent to Bob, WB6EKV, or Wayne, W6RIA, as soon as possible.



FIELD DAY

JUNE 26-27



PRESIDENT'S MESSAGE JUNE 2016



Greetings! This month's message will be short.

May was pretty busy and I am proud of all SCRA members who stood up and volunteered for this past month's events. You all did an admirable job. I know I learned a lot more about radio, and also learned what works and doesn't work. Valuable experiences, all of it! I only hope that more of you will get out of your comfort zones and increase your knowledge and abilities.

Mentors are available to shadow on your first time out, which will give you more confidence to strike out on your own before the season ends. If you don't know what first steps to take, ask someone who is involved, or email me. (k6son@arrl.net)

WELCOME to new members, Ed N2WD, James KI6RWG, Loren KM6CKO, and Aaron Flechentein, and to our May meeting guests Pete KG6YKO and Brian White (both representing the Mendocino Rally), Alan KE6IDU, Marcus KG6GHW, Beth KK6UVC and her son Nathan. Hope to see you all again, soon.

NET CONTROL ~ For June we will need five net controllers (4 for June, one for July) for our Tuesday nets. Please consider volunteering at the June 1st meeting. If you want someone there with you on your first time up, we will arrange that for you.

At our June 1st meeting, I want to try something different. I will have a chalk board at the sign-in table. That board will hold a radio related word. If you don't know what that word is, ask an experienced ham. This should stimulate some conversation during our 'social' time. Hopefully, we will have a small display of items related to the word on the board. Have fun!

Continue to enjoy the wonderful Sonoma County weather, and stay well.

Iola KK6HRE
SCRA 2016 President

ACTIVITIES CHAIR ANNOUNCEMENT

Steve Bouchard here, your Activities Chairperson. Being fairly (VERY) new to the club and Activities Chair, I'd like to let you know that I desire to fulfill this position to the maximum enjoyment of the club. However, being a "newbie" I lack the knowledge and technology of what the club wants now and activities of the past have been. I, as well as others, don't know what to ask because we don't know about the vast potentials of radio amateur. If one doesn't know enough, one cannot ask questions to learn. So.... I am asking that you help me out! I wish each and every person that wants particular activities AND those of you that have arranged AND created activities, as well as the most experienced and knowledgeable folks to step forward, help create more activities and pass that knowledge to those of us that want to learn, enjoy, pass skills onto younger members and rookie newbies so that we can pass that on to NEWER NEWBIES!

And those of you that have a bazillion years of use and knowledge I request that you offer a program (club Wednesday night) that will help us newbies to learn more! I also ask that members that have a "radio shack" to invite us to visit and learn and decide what our preferences are and desires to complete our limited knowledge to the point of knowing who to ask questions of and who to contact. (I am certain that amateur radios dealers would be VERY HAPPY to tell us what we need.) I think MANY MEMBERS have INCREDIBLE WISDOM to pass on!

I can be contacted at 707-755-0475 and sb1112@outlook.com. I look forward to having you pass on your PH.D. level knowledge onto to us NEWBIES!!!

JUNE MEETING PROGRAM

FIELD DAY!
by Brian Torr

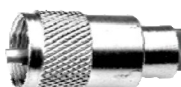
JOIN ARRL, THE AMERICAN RADIO RELAY LEAGUE

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>



2015 Club Officers

President	Iola Beckley	KK6HRE
Vice President	Brian Torr	N6IY
Secretary	Dave Harrison	W6IBC
Treasurer	Wells Wagner	KK6EXC
Director	Joe Fortuna	K6AWA
	ShelleyRae O'Connor	KK6JXM
Past President	Patrick Coyle	KG6JSL

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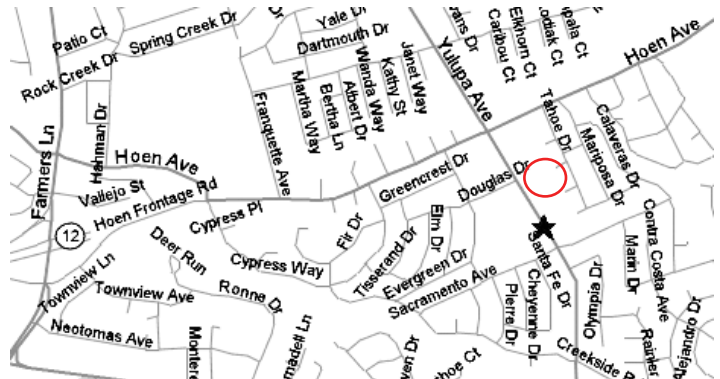
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SCRA Club Meetings

The club normally meets the first Wednesday of each month, socially at 6:30 pm, program starting at 7:15 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

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.

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

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 News-line, the amateur radio community news service.

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



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.

2016 SCHEDULE OF EVENTS

Check the [Club website](#) for details

Sat, June 4 - VE Testing
 Sat, June 11 - TH-6 Antenna Assy and Erection Practice Session
 Sat, June 18 - ARRL Kids Day
 Sat, June 18 - Terrible Two
 Fri, Sat, and Sun, June 24-26 - Field Day
 July 22 - August 7 - County Fair
 Saturday, August 13 - Annadel XC
 Sun August 14 -Tour d'Organics
 Sunday, August 21 - Santa Rosa Marathon
 Sat, August 27 - VE Testing
 Sat/Sun Sept 24-25 - Waves to Wine
 Sat Oct 1 - Levi's Gran Fondo
 Sat Oct 15 - Jamboree on the Air (JOTA)
 Sat Oct 29 - North Bay Science Discovery Day
 Sat, November 12 - VE Testing

PCAM dependent upon independent insurance coverage

SAVE THE DATE: Saturday, July 30th

Professor Ed Fong will be presenting a program on Antennas. Ten am to noon at the UFO Building on Stony Point Road. Additional information will be published in the coming weeks. OR you could contact the SCRA President at k6son@arrl.net.

CONGRATULATIONS to Kathy Wells KK6KGW/ Temporary AG. Kathy passed her General Level Test in Concord on Friday, May 27, 2016. SCRA members are mighty proud of Kathy for upgrading her Technician's license to a General ham radio license. Who's next!?





Field Day is Just Around the Corner!!

The big event begins at around 5pm on Friday, June 24 and ending around 3pm on Sunday, June 26. The location will be the same as last year, Youth Community Park (aka Skateboard Park) at 1725 Fulton Rd, in Santa Rosa, across the road from Piner High School.

We've had three planning sessions so far and plans are coming together nicely. To learn more about what we've got planned, come to the June general membership meeting where the program will be "Everything You Always Wanted to Know About Field Day and Shouldn't be Afraid to Ask"

Of course an event such as this requires volunteers. To those of you that have already volunteered, thank you. For those of you that have not yet volunteered, there will be sign-up sheets at the June meeting.

We have formed several teams and a few sub-teams. Each team is responsible for one aspect of the event or another. Please feel free to sign up for any and all teams where you feel you can help (as long as their schedules don't conflict, that is)

We also need operators. There will be sign-up sheets for each station at the June meeting. You can also go to the SCRA website under Events, Field Day and get the details there.

And don't forget about dinner on Saturday. The fee will be \$8.00 per person and master chef Pay Coyle, KJ6JSL has a delectable menu planned.

The Educational Activity will focus on soldering PL-259 connectors onto coax cables. Each student will build their own short "patch cable", suitable for connecting a radio to a tuner, SWR bridge, filter, etc. This is a skill all hams should master. The Educational Activity is scheduled for 2pm on Saturday, June 25.

TH-6 Antenna Assembly & Erection Practice Session

On Saturday, June 11, at 9am, we will meet at Doug Payne, KF6LMB's QTH to practice assembling the TH-6 tri-band beam, mounting it onto the crank-up mast, and raising it to full height. Anyone intending to

volunteer to participate in setup on Friday June 24 is strongly encouraged to come to this session. Knowing how to execute this part of the setup goes quickly and efficiently is key to ensuring that the rest of Field Day setup goes smoothly as well.

Call To Action!

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

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

Let's make Field Day 2016 even better than last year!

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

MENDOCINO RALLY COMING JULY 9 – 10

The Mendocino Rally is returning July 9th and 10th and is welcoming all volunteers. If you have volunteered in the past you know how fun and fast both the cars, and radio traffic is at this great event. The Mendo Rally is not a S.C.R.A. event so you must volunteer at the Mendocino Rally website <http://www.mendocinorally.com/> If you have any questions please contact Pete Soper at pete1009@comcast.net or Jim Draeger jimdraeger5@gmail.com





CONTEST CORNER by Kevin Alt, K6BSG

Hello testers. Hard to believe but it's time for Field Day once again. I hope that everyone can make plans to join the club to both operate and socialize at some point during field day weekend. Try warming up with the Thailand based SEANET contest next weekend, or the All Asia DX contest the weekend before. Happy DX'ing!

2 Jun – NRAU 10 Meter Activity Contest – All modes, 10 meters. See: www.nrau.net/activity-contests/.

4 Jun – Wake-Up! QRP Sprint – CW, 40-20 meters. See: qrp.ru/contest/wakeup.

4-5 Jun – PVRC Reunion – CW/SSB, 160-10 meters. See: pvrc.org/reunion/reunion.htm.

4-5 Jun – 10-10 Int. Open Season PSK Contest – Digital, 10 meters. See: www.ten-ten.org/index.php.

4-5 Jun – DigiFest – Digital, 80-10 meters. See: www.mixw.net/misc/DigiFest/.

4-5 Jun – SEANET Contest – CW, 80-10 meters. See: www.seanet2016.com/contest.php.

4-5 Jun – UKSMG Summer Contest – All modes, 6 meters. See: uksmg.org.

4-5 Jun – Region I Field Day – CW, 160-10 meters. See: darc.de/referate/dx/contest/fd/en/.

4-5 Jun – Dutch Kingdom Contest – CW/SSB, 40-6 meters. See: dkars.nl/index.php?page=rules.

4-5 Jun – RSGB National Field Day – CW, 160-10 meters. See: www.rsgbcc.org/hf.

4-5 Jun – Alabama QSO Party – SSB/CW, 160-10 meters. See: www.alabamaqsoparty.org.

6 Jun – RSGB 80 Meter Club Championship – Digital, 80 meters. See: www.rsgbcc.org/hf.

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

10 Jun – HA3NS Sprint Memorial Contest – CW, 80-40 meters. See: radioamator.honlapepites.hu.

11 Jun – Asia-Pacific Sprint – SSB, 20-15 meters. See: jsfc.org/apsprint/aprule.txt.

11-12 Jun – DRCG WW RTTY Contest – RTTY, 80-10 meters. See: www.drcg.de/drcgww.

11-12 Jun – VK Shires Contest – CW/SSB, 80-10 meters. See: vkshires.vk2bo.com.

11-12 Jun – Portugal Day Contest – CW/SSB, 80-10 meters. See: www.rep.pt/portugal_day_contest/.

11-12 Jun – SKCC Weekend Sprintathon – CW, 160-6 meters. See: www.skccgroup.com.

11-12 Jun – GACW WWSA CW DX Contest – CW, 80-10 meters. See: www.wwsatest.org/english.

11-12 Jun – REF DDFM 6 Meter Contest – CW/Phone. See: concours.ref-union.org/reglements.

11-13 Jun – ARRL June VHF Contest – All modes, 6 meters and up. See: www.arrl.org/june-vhf.

15 Jun – NAQCC CW Sprint – CW, 80-20 meters. See: naqcc.info/sprint201606.html.

15 Jun – RSGB 80 Meter Club Championship – CW, 80 meters. See: www.rsgbcc.org/hf.

18 Jun – AGCW VHF/UHF Contest – CW, 2-0.7 meters. See: agcw.org/index.php/en/.

18 Jun – Kids Day Contest – SSB, 80-10 meters. See: www.arrl.org/kids-day.

18 Jun – Feld-Hell Sprint – digital, 160-6 meters. See: sites.google.com/site/feldhellclub/.

18-19 Jun – SMIRK Contest – CW/Phone, 6 meters. See: www.smirk.org/contest.html.

18-19 Jun – All Asian DX Contest – CW, 160-10 meters. See: www.jarl.org/English.

Continued on page 9...





Contest Corner continued from page 8...

18-19 Jun – Ukrainian DX Classic RTTY – RTTY, 80-10 meters. See: urdx.org/rtty/rules.php?english.

18-19 Jun – IARU Region 1 50 MHz Contest – CW/Phone, 6 meters. See: concours.ref-union.org/reglements.

18-19 Jun – Stew Perry Topband Challenge – CW, 160 meters. See: www.kkn.net/stew.

18-19 Jun – West Virginia QSO Party – All modes, 80-10 meters. See: www.qsl.net/w/wvsarc.

19 Jun – WAB 50 MHz Phone – Phone, 6 meters. See: wab.intermip.net/.

20 Jun – Run for the Bacon QRP Contest – CW, 160-10 meters. See: fpqrp.org/pigrun.

22 Jun – SKCC Sprint – CW, 160-10 meters. See: www.skccgroup.com.

23 Jun- NAQCC CW Sprint – CW, 80-20 meters See: naqcc.info.

23 Jun – RSGB 80 Meter Club Championship – SSB, 80 meters. See: www.rsgbcc.org/hf.

25-26 Jun – His Majesty King of Spain – SSB, 160-10 meters. See: concursos.ure.es/en/.

25-26 Jun – Ukrainian DX DIGI Contest – Digital, 80-10 meters. See: www.izmail-dx.com.

25-26 Jun – ARRL Field Day – All modes, all bands. See: www.arrl.org/field-day.

For additional contest calendars and resources check:

[WA7BNM Contest Calendar](#)

[ARRL Contests Page](#)

Minutes, SCRA May 4, 2016, Membership Meeting

The May 2016 regular Membership meeting of SCRA was called to order by President Iola KK6HRE at 7:12 PM, following a 40 minute social hour. A quorum of members was present. After introduction of officers and directors, new members and guests were introduced, including Mike Jump, Gary Bachelor, Peter Chamberlain, David W6DGC, and Steve KB6DTL. John KE5RI offered to give Gary Bachelor a used 2 meter handheld if Gary passes his Technician Class license examination in Petaluma on May 5th.

Craig K6XLT asked for several additional ham radio volunteers for the Tour of California bike event in Santa Rosa on May 21st. Amateur radio communications for this event are being sponsored and managed by Santa Rosa's AECS, under the guidance of Eric AA6EM and Matt KJ6LJI. Craig advised volunteers to bring a hat, sun screen lotion, a chair, and extra batteries for this handheld event.

Jim KI6REK sought additional volunteers for the Mendocino Car Rally in July. This event is sponsored by, and insured by, Rally America. Be sure to register at the Rally American website www.rallydata.com.

Net Control Assignments:

May 10: Joe K6AWA

May 17: Iola KK6HRE

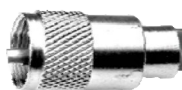
May 24: Dennis KI6REO

May 31: Frank NQ6E

Aaron KK6ZDB was recognized for upgrading to General Class.

This month's program featured SCRA Member John WB-6FRZ. John discussed and presented a 1981 video by Frank Rutter K3AW (SK) entitled: "What You Always Wanted To Know About Antennas But Were Afraid To Ask". The video presented a suitcase-sized Antenna Range System operating at the microwave frequency of 3GHz. Many types of miniature antennas were displayed, connected and measured with a polarized directional probe. Antenna peak and null patterns, along with antenna polarity, were demonstrated by intensity of an audio tone the range system put out. Antennas demonstrated included ground plane, vertical, collinear, dipole, inverted Vee, Yagi, inverted L, and log periodic. Phased arrays, such as half square were also connected and measured. While the video was lengthy, over one hour, those members and guests who remained throughout the presentation were rewarded with a better understanding concerning the characteristics and operation of radio transmitting antennas.

Continued on page 10...





Minutes continued from page 9...

The business meeting commenced with Treasurer Wells KK6EXC reporting a summary of the treasury accounts and balances. Dave W6IBC asked Wells to present a breakdown of actual receipts and disbursements in relation to the approved 2016 budget at the next Board meeting. Education Chair Dave W6IBC reported that there are 14 potential students for the July 8-10 Technician License class, and that the capacity of the Graton Fire District training room is limited to about 16 students. Field Day Chair Brian N6IYY plans to hold several further meetings in preparation for Field Day in June. He needs a coordinator for a proposed Fox Hunt, and will offer training in soldering RF connectors to coaxial cable as the educational event at Field Day. There will be a radio interview on June 5th on KOWS, Sebastopol Community Radio. Mini-DX Chair Doug KF6LMB extended an invitation to Technician Class licensees to join in this fun event on the first weekend in August. Iola KK6HRE reported that SCRA has 138 paid members for 2016. Merchandise Chair Kathy KK6KGW will no longer be mailing out name badges, but will deliver them at forthcoming club meetings. Doug KF6LMB noted that the Boy Scout Jamboree on the Air will be held on October 15th. Outreach Chair Darryl KI6MSP sought volunteers for the Human Race for this coming Saturday. It competes with the Wine Country Century bicycle event for ham radio operators.

Under New Business, Joe K6AWA announced that the North Hills Amateur Radio Club in the Sacramento Area will be holding its ham fest and flea market on May 15th.

With no further business, the meeting adjourned at 9:15 PM

Respectfully submitted,

Dave Harrison W6IBC
Secretary

Minutes SCRA Board of Directors Meeting

May 11, 2015

The May 2016 Board of Directors meeting was called to order by President Iola KK6HRE at 6:00 PM at IHOP restaurant, 2745 4th Street, Santa Rosa. All SCRA Board members were present, including President Iola KK6HRE, Vice President Brian N6IYY, Treasurer Wells KK6EXC, Secretary Dave W6IBC, Director Joe K6AWA, Director Shelley KK6JXM and Past President Pat KG6JSL. Other SCRA members in attendance included Doug KF6LMB, Darryl KI6MSP, Jeff KI6PBF, Mike AD6YB, and Mike K6HCU.

Minutes of the April 2016 Board Meeting were approved on motion by Iola KK6HRE, second by Joe K6AWA. .

Treasurer Wells KK6EXC presented a recap of income and expenses for January-April 2016 in juxtaposition with the approved annual budget for 2016. The Board discussed the recap with particular attention to education, field day and repeater expenses. .

Joe K6AWA reported results of his inquiry regarding insurance that would cover the club at air shows, such as PCAM's Wings over Wine Country. Following an extended discussion by the Board, Joe will obtain and present a detailed proposal to the members about insurance for their consideration at the June 1st meeting. Mike AD6YB will make inquiry at PCAM regarding possible insurance issues or concerns of vendors and others planning booths at the air show.

Mike K6HCU reported upon his investigation into obtaining a supply of small club banners (18" by 27"). Thirty banners could be obtained for about \$502.00 plus tax. Mike will bring a proposal including a mockup to the June membership meeting for members' review and consideration.

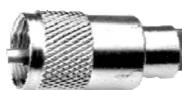
Membership Chair Shelley KK6JXM reported that there are 141 paid members so far for 2016. She sends an email about the club to each new member and requested Education Chair Dave W6IBC to provide input about the SCRA mentoring program for new hams and members. Membership will attempt to update the club roster on a quarterly basis.

The Board discussed having several meeting programs available in reserve. Activities/Program Chair Steve KK6VMZ, President Iola KK6HRE and Education Chair Dave W6IBC will meet and confer about proposed stand-by programs.

The HF Mini-DX Chair Doug KF6LMB reported that this year's event will be held on August 5-7 at A.W. Way Park, near Petrolia west of Garberville, with camping and HF radio operation planned. Doug reports that 12 of our members are interested in participating.

Field Day Chair Brian N6IYY noted that another planning session will be held this Saturday May 14, 2016 at Youth Park at noon. Brian still needs volunteers for some Field Day positions.

Continued on page 11...





Board Minutes continued from page 10...

President Iola asked for more articles for Short Skip. After a Board discussion, Iola agreed to write an article about her experience with neighborhood emergency communications.

Community Outreach Chair Darryl reported the Human Race event went well. He noted that ARRL Kids' Day will be held on June 18th. Regarding the ARISS proposal approved last month, Darryl reported he is in contact with Tim KM6U and that Brook Haven School has presented its application for a ham radio contact with the International Space Station (ARISS). Debbie Hanks, Principal at Brook Haven School is very pleased with the STEM program spearheaded by Darryl.

In unfinished business, Joe K6AWA will follow up regarding the request for ham equipment for a Lake County ham who lost his station in the fire last summer. The Board reviewed and discussed the final audit report by Lee KE6EAW and thanks Lee for his efforts. The use of call-in appearances by club members on the planned radio broadcast about Field Day on Radio Station KOWS on June 5th.

In new business, on motion by Dave W6IBC, second by Pat KG6JSL, SCRA will purchase 500 business cards that include the club logo and information about our meetings and website for members to carry and hand out to others who might be interested in ham radio and our club. The Board discussed who should fill net control positions at SCRA sponsored public service activities. Since Public Service Chair Charlie KZ6T was not present, no formal action was taken and Charlie's input will be solicited by Iola for the next Board meeting. Pat KG6JSL proposed forming a Radio Frequency Interference (RFI) committee and seeks interested members to support and join his committee to help define its purpose, scope and activities.

In response to a written proposal forwarded to the Board by John WB6FRZ regarding the 180 Studios Makerspace, the Board will ask John to prepare an article about this proposal for Short Skip.

With no further business, the meeting was adjourned at 8:17 PM

Respectfully submitted,

David Harrison W6IBC
Secretary

Next Exam Session:

Our next exam session is scheduled for Saturday, June 4, from 9:00 am until noon. The location will be the First American Title Co, 627 College Ave, 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 College Ave East to Humboldt St.. Turn left onto Humboldt St. and then turn into the first parking lot on the left, behind First American Title Co. Enter through the rear door, just off from the parking lot.

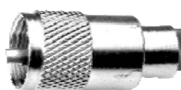
Candidates should bring the following:

- 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



Mini DX 2016

Things you need to know about the DX.

1. Dates: August 4, 5, 6th, Thursday, Friday, and Saturday. Go home Sunday. It is at the A.W. Way county Park in Humboldt County.

2. Directions:

From Santa Rosa area, drive north on US101 to Garberville. Gas up, as it may be the last available gas. Drive north for approx 32 more miles to exit #663, Mattole Road. The last signage before this exit is exit #661 Weott. Continue west on Mattole Road to Honeydew. At the intersection of Mattole Road and Wilder Ridge, turn right continuing on Mattole Road west for approximately 5 miles to A.W. WAY Park. The park is on the left. Fencing covered with brush hides the entrance. Look for white sign with ham radio and graphics of an antenna. There is an elevation change from Weott at 338 feet to top of grade at 2744 feet, then down to Honeydew at 350 feet.

3. What to bring:

Camping shelter, chair, folding table for your radio, battery for the radio, and your choice of antenna. Most sites have a table, but be prepared yours may not have a table. Bring a roll of quarters for the shower which is across the field about 200 yards to the north. This is in the newer restroom, with an older restroom to the east about 100 yards away.

4. Set up area will be at the south end of the open field. There are trees for shade, and launching of antennas if necessary. Two vehicles can be in a site and the cost for the two will be \$20 payable to the ranger. So buddy up and share the cost.

5. Communication:

There is a pay phone at the park. Cell phone service if poor, but attainable in certain areas. Our call in frequency on 2 meters will be 147.55 simplex. The first person at the park should monitor the frequency. When traveling on the highway in convoys use the 147.55 simplex. Our English hill is sketchy up to Hopland.

6. Dinner to be determined. This should be on Saturday evening meal. A general store is about 4 miles away at Honeydew.

I hope this will be of some help to everyone. Any questions call Doug.
707-538-1373

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,

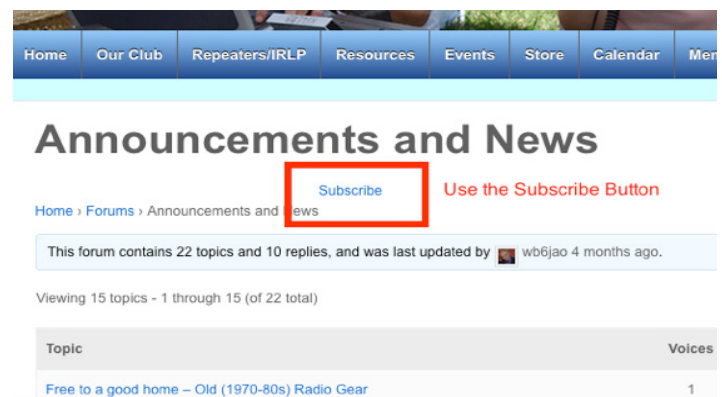
Log in as a member

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.



Home | Our Club | Repeaters/IRLP | Resources | Events | Store | Calendar | Member Area

Announcements and News

Home > Forums > Announcements and News [Subscribe](#) Use the Subscribe Button

This forum contains 22 topics and 10 replies, and was last updated by  wb6jao 4 months ago.

Viewing 15 topics - 1 through 15 (of 22 total)

Topic	Voices
Free to a good home - Old (1970-80s) Radio Gear	1

Radio-Wave Creation

By: Pat Coyle, KG6JSL

Radio waves are the composite of electric and magnetic force fields found in nature. No one knows the exact composition of these fields, but scientists have gathered sufficient information to be able to predict how they behave. (FN1) Although the fields cannot be seen in nature, you can visualize a field as consisting of lines of force as is commonly illustrated by a magnetic bar and iron filings. (Fig 1)

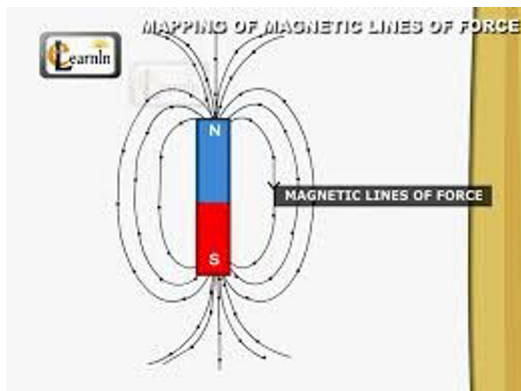


Fig 1: Illustration of magnetic lines of force with opposite polarity attracting. Same polarity repels.

Alternating current in a conductor creates electric and magnetic fields that expand and collapse with each alternation. With each current increase the fields expand and with each current decrease, they collapse. The fields expand and collapse, and change polarity, with each change in the direction of the AC current. (Fig. 2)

These two fields, electric and magnetic, are complementary aspects of an indivisible wave known as an electromagnetic wave. It is the movement of electrons --- the acceleration and deceleration of electrons as the AC current moves back and forth in a conductor--- that creates the electromagnetic wave outside of the conductor as the current changes direction. This electromagnetic wave is “radiated” from the conductor (antenna) as current flow changes direction and new fields are formed. It is this radiation that are radio waves.

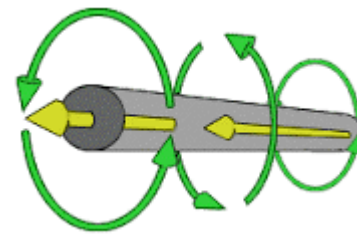


Fig.2. Magnetic field around a wire with current flowing. The field expands as the current flow increases and collapses as the flow decreases. The field expands again and changes polarity as the current flow changes direction.

This electromagnetic wave is composed of two perpendicular fields: one electric in nature, the other magnetic. (Fig 3.). Both of these fields are at right angles to the direction of the conductor(antenna). These two fields are locked in time and phase with each other and travel at the speed of light through free space. (186,000 statute miles per second, 162,000 nautical miles per second, or three hundred million meters per second.)

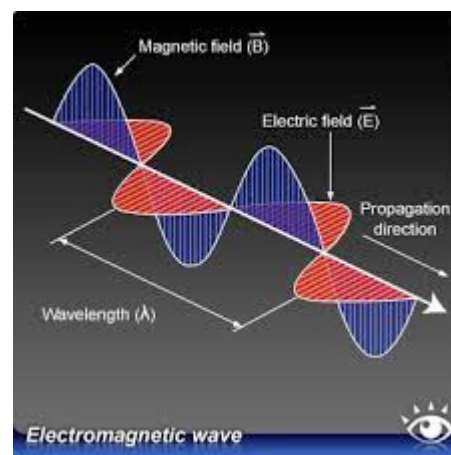


Fig 3. Radiating wave of electrical and magnetic fields

The electromagnetic waves radiated from an antenna spread outward through space. When these waves reach another antenna, some of their energy is transferred to that antenna. The electromagnetic fields create a small current in the antenna, which is then amplified and the audio frequency portion of the waves are “detected” (converted to audio frequency energy) by a radio receiver and speaker.

How an audio frequency voice (or CW) frequency is carried by a radio frequency wave and “detected” by the receiver is a different subject. (Study modulation and detection.)

Continued on page 14...

Radio-Wave Creation continued from page 13...

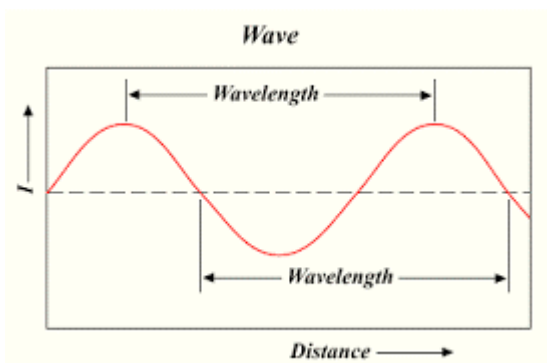
FN1: Physicists are still arguing whether there are 1, 2, 3, 4, or 5 fundamental forces of nature. Einstein spent his life working on the problem and famously said “God does not play dice with the universe” while trying to figure it out. This article will content itself with the forces affecting radio and leave high physics to the physicists.

Where do we get Frequency and Wavelength?

Radio waves of the desired frequency in a modern radio are created by an oscillator. The oscillator is an electronic device or component in the radio that creates AC currents that can be designed to surge (oscillate) back and forth at whatever frequency is desired. The tuning dial makes these changes within the design parameters of the radio.

Frequency is normally expressed in “Hertz” (Hz), not cycles per second (cps), even though both terms have identical meaning. This was done to honor Heinrich Hertz who, in 1887, demonstrated that electromagnetic energy could be sent through space as radio waves. One Hz equals one cps. Other terms used to express frequency are “kilo” (thousand) hertz (kHz); “mega” (million) hertz (MHz); “giga” (billion) hertz (GHz); and “tera” (trillion) hertz (THz).

Wavelength is the distance from one point on a wave to the same point on the next wave. It can be measured in any unit of measurement, feet, inches, meters, etc. Wavelength can be calculated by dividing its speed in units per second by frequency in seconds. Amateur Radio usually uses meters. To obtain wavelength in meters, divide the speed of 300 million meters per second) by frequency in millions per second. Thus, 300 (million) divided by 147 (million cps), the SCRA repeater frequency, is 2.07 meters. Hence, 147 MHz is a frequency located in what is called the 2 meter band in the Amateur Radio Service. (FN2)



FN2: By comparison, 60hz house current, traveling theoretically at 186,000 miles per second, has a wavelength of 3,100 miles. (186,000 Mps divided by 60 cps.)



Tour de California Bike Race



Beginning Women's Race



Men's Race



Net Control



Support Vehicles Lined Up





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Name _____ Callsign _____ License Class _____
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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

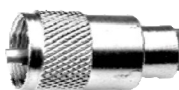
SCRA DUES: Individual \$20, Family \$30, Youth, under 18, \$15 + _____
Name Badge (complete info below) \$10 each Circle: Magnet or Clip attachment + _____

Name Badge Information Fill in exactly as you want it to appear on your badge.
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Callsign _____ First Name _____ City _____
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SCRA Patch \$5/ea + _____
SCRA T-Shirt \$11.50/ea Size: s m l xl xxl + _____

Total: \$ _____

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TM-V71A 2M/440 Dual Band

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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



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ID-880H

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- 500 memories • DNR, IF Notch, IF Shift



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SHORT SKIP ARCHIVES AVAILABLE

Mike, AD6YB, has set up archives for past and present issues of Short Skip. They are available on the Website, log into Members Area, Short Skip, click on the first sentence. Mike has scanned in the old paper issues and it is really interesting to browse through them to see what those guys were doing. There are historical photos as well. An important record of our history and ham radio in general. Good Stuff.

[\(Click Me\)](#)

DIDN'T FIND WHAT YOU NEEDED?

If you are looking for something more on a topic or your topic of interest hasn't been covered lately, let us know. Something you'd like to see in Short Skip?

Contact the editor, 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

