



THE

PROPAGATOR

The Monthly Newsletter of the South Orange Amateur Radio Association

August 2014

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Meeting

August 18th,
2014

7:00 PM
N.P.
Murray
Center
Veterans
Way
Mission Viejo

4th Annual SOARA FAIR

All are welcome to join SOARA for their next SOARA Fair on Monday, August 18 at 7pm at the Norman P Murray Center in Mission Viejo.

The SOARA Fair is held once a year during a general club meeting where club subject matter experts will have mini-seminars on a range of Amateur Radio and electronic topics. The mini-seminars are held informally and you can rotate from seminar to seminar. This event is open to the public and there is no cost to attend.

This year, the presenters currently scheduled are:

Charlie WA6RUZ—**Emergency Communications/RACES**

Mike K6MSM / Tak W6SI / Steve KD6MHL—**Digital Communications**

Dave K6DBW / Phil WA6LDI—**HF on Long Wire Antennas and QSLing**

Bill K6ACJ —**TNC with Xastir and other fancy electronics**

Olaf K6BFE / Spencer NG6K — **How to set up HAM Radios in your mobile**

Sean AJ6B — **Solar and Batteries**

Joe AE6XE — **HAMNet Mesh Networking**

If you are a subject matter expert and wish to demonstrate, please contact us so we may reserve you a location in the room!

H.R. 4969: Amateur Radio Parity Act of 2014

From the ARRL SW Division

<http://www.arrrl.org/hr-4969>

<https://www.govtrack.us/congress/bills/113/hr4969>

Please Write Your Congressperson Regarding HR4969 ASAP

A significant and growing number of Amateur Radio operators living outside the protection of PRB-1, the Federal law that provides limited preemption of state and local antenna zoning ordinances, are unable to install even the most modest of outside antennas. They are effectively precluded from using their license privileges at home because PRB-1 does not extend to private deed restrictions, such as CC&Rs and HOA rules.

In much of our Division and elsewhere, finding housing near work, schools and medical care without such deed restrictions is increasingly difficult if not impossible to find. An ARRL-sponsored bill now up for consideration in the U.S. House of Representatives, HR4969, would, if passed, direct the FCC to extend the reasonable-accommodation protections of PRB-1 to these Amateurs. Like PRB-1, HR 4969 would not give Amateurs the right to put up whatever they wish. It would simply require HOAs and other private land use regulations to extend reasonable accommodation to Amateurs wishing to erect antennas. As is the case under PRB-1, what constitutes reasonable accommodation will vary on a case-by-case basis. ...Continued on page 2



SOARA
Saturday
August 23

ARRL
SW Convention
Sept. 12

Fall Auction
November 17

VEC License Exams

6pm—before
the General
Meeting

Please see our
[website](#) for
more info.

Walk-ins ok.

Extra | General |
Technician
Exams

[SOARA](#)
[Website](#)

...continued from Pg 1... **H.R. 4969: Amateur Radio Parity Act of 2014**

We have a very short time window to secure the benefits of this legislation, and we need every licensed Amateur, whether or not an ARRL member, to help by asking his Representative to support and co-sponsor this bill. You can find a sample letter that you can customize or send as is, adding just your Representative's name and your own name and address, on the ARRL Web site. Just click on the HR4969 banner on the home page; then expand the "How Can I Help" section and click on the link to the sample letter. Other sections on the same Web page will help you find your Congressman's name and an ARRL address to send your letters for hand-delivery to your Representative's office. You'll also find talking points and other information on the same page.

If you can obtain an appointment to meet the Representative or his / her staff locally during the August Recess, please let Vice-Director Marty Woll N6VI (n6vi@arrl.org) or me (n6aa@arrl.org) know, and one of us will try to accompany you to such an appointment and help you prepare for it. Your letters will also help open the doors for possible office visits by ARRL officials in DC during the final pre-election Congressional sessions in September. When you send your letter, please take an extra moment to send Vice-Director Woll either an electronic copy or a short note indicating that it has been sent and stating your Congressional district or Representative's name. If your Representative accepts e-mail input from constituents, you can use that in addition to (but not in place of) a printed letter. Put your ZIP code in the header and indicate the subject as "Telecommunications – Please Co-Sponsor HR4969." You can add the text of your written letter in the body of this e-mail message.

If by chance you know your Congressperson or any of his or her staff personally, please contact Marty or me as soon as possible.

Those of you in Arizona's 1st Congressional District can simply send your thanks to Rep. Ann Kirkpatrick; she has already signed on as one of 17 co-sponsors thus far. Let's go get some more!

ARRL Southwestern Division, Director: Richard J Norton, N6AA, n6aa@arrl.org

SOARA Raffle Update:

Hal Silverman

These are the prizes for the next two months.

\$5 prize FT7900R. We need to sell 65 tickets.

\$1 prizes

MFJ-281 Speaker

MFJ-108 Station Dual Clock

Anderson Power Pole Connectors

HF Mini Flashlight

HF Cutters and pliers.

Second set of \$1 prizes will be repeated in September.

I will look closely at Powerwerx for additional \$1 and \$5 prizes 73.....Hal WB6WXO



The July \$5 raffle was an Icom ID-31A, won by **Joe**, KK6BMK



Top Field Day Contacts by Section

Section	Total	%
ORG	117	7
LAX	75	4
WWA	75	4
AZ	72	4
CO	63	4
OR	60	3
SCV	56	3
IL	52	3
SV	52	3
NTX	50	3
SDG	44	3
OH	42	2
STX	42	2
SJV	41	2
MI	37	2
NC	35	2
BC	31	2
VA	30	2
EB	28	2
UT	27	2
KS	25	1
SB	25	1
EPA	24	1
NV	24	1
NM	23	1
MDC	22	1
NFL	22	1
SFL	22	1
GA	21	1
OK	20	1
EWA	19	1
MN	19	1
MO	19	1
WCF	19	1
IN	18	1
SC	18	1
AL	17	1
ID	16	1
EMA	15	1
MT	15	1
WI	15	1
AR	14	1
KY	14	1
MS	14	1
SF	14	1
TN	14	1
WTX	13	1
ENY	12	1
LA	12	1
SNJ	11	1
WMA	10	1

Field Day Stats

K6SOA's Contest Summary Report for ARRL-FIELD-DAY

Total Contacts = 1,724
Total Points = 2,580 (before bonuses)

Operating Period: 2014/06/28 17:59 - 2014/06/29 18:00

Total Contacts by Band and Mode:



Band	CW	Phone	Digital	Total	%
160m	0	1	0	1	0
80	44	84	25	153	9
40	187	345	27	559	32
20	393	203	0	596	35
15	169	115	0	284	16
10	0	31	0	31	2
6	11	71	0	82	5
2	0	16	0	16	1
70cm	0	2	0	2	0
Total	804	868	52	1724	100

Information Regarding FCC Rule Changes

The FCC has revised the Amateur Service Part 97 rules to grant written examination element credit to holders of expired General, Advanced and Extra licenses. The new rules become effective 30 days after their publication in The Federal Register, which is Monday July 21, 2014.

Expired license holders will not automatically receive credit on that day and may not operate as a new licensee. The FCC requires former licensees — those falling outside the 2-year grace period — to pass Element 2 (Technician) in order to be relicensed.

To take advantage of the new rule, holders of expired licenses must attend an exam session. There they would present a photo ID and their expired license proof, pay the \$15 exam session processing fee and take the Technician exam.

If an applicant held a General or Advanced license, and has proof, the FCC will afford credit for the General (Element 3) written exam only. If an applicant held an Extra license, and has proof, the FCC will afford credit for the General (Element 3) and Extra (Element 4) written exams. At VE exam sessions it is the applicant (not the VEs or coordinating VEC) who is responsible for supplying the evidence of holding valid expired license credit.

...continued on page 5



Field Day Contacts by State/Province

State	Total	%
CA	450	26
TX	105	6
WA	95	6
AZ	72	4
CO	63	4
FL	63	4
OR	60	3
IL	52	3
OH	42	2
MI	37	2
NC	35	2
PA	32	2
BC	31	2
VA	30	2
NY	29	2
UT	27	2
KS	25	1
MA	25	1
NV	24	1
NM	23	1
GA	21	1
MD	21	1
NJ	20	1
OK	20	1
MN	19	1
MO	19	1
SC	19	1
IN	18	1
AL	17	1
ID	16	1
ON	16	1
MT	15	1
WI	15	1
AR	14	1
KY	14	1
TN	14	1
MS	13	1
LA	12	1
SD	11	1
NH	9	1
HI	7	0
IA	7	0
ME	7	0
WV	7	0
RI	6	0
VT	6	0
CT	5	0
AB	4	0
NE	4	0
WY	4	0
AK	3	0
QC	3	0
DE	1	0
MB	1	0
SK	1	0

Membership Report

SOARA gives a big welcome to ALL our new members:

Name	Call Sign	License	Location
Frank Columbus	WA2KWR	Extra	Laguna Niguel
Craig Steele	K6DPF	Technician	Irvine
Tom Ambrose	KJ6YTQ	General	Santa Ana
Aleksandr Nersesyan	K6VHF	General	Irvine
Anthony Gawel	KJ6UFG	Extra	Santa Ana
Pierson Kierulff	N6PAK	General	Irvine
Mike Bedard	KJ6MAV	Technician	Rancho Santa Margarita
Bill Frey	K6FRY	General	Mission Viejo
Margaret Graham	KK6ERR	Technician	Mission Viejo
Heather Smart	KK6NYD	Technician	Brea
Melissa Cannon	KA6NON	Technician	Garden Grove
Michael Thornton	KK6MTG	General	Aliso Viejo
Dean Schroeder	KK6NYE	Technician	Rancho Santa Margarita
Kwangjo (Ryan) Ko	KK6NYN	Technician	Irvine
Shiva Raju	KK6NYF	Technician	Laguna Niguel
Mary Schreiber	KJ6WZR	Technician	Silverado
Bob Click	KJ6WZM	Technician	Silverado
John Haley	KK6NMU	Technician	Mission Viejo
Lou Ruggiero	K6LMR	Extra	Lake Forest
Chris Eslinger	(Pending)	(Pending)	Mission Viejo
Michael Cleary	KI6ITV	Extra	Wildomar
David James Gorin	KB6BXD	Technician	Laguna Niguel
Dave Black	WB6VEM	General	Laguna Niguel
Brian Miller	KK6WWW	Technician	Lake Forest
Julie Miller	KK6NYG	Technician	Lake Forest
Steve Korper	KK6NMT	Technician	Laguna Hills
Karoline Korper	KK6NYW	General	Laguna Hills
Michael Lietzow	KK6NYM	Technician	Coto de Caza
Pat Drewes	KK6NYU	Technician	San Juan Capistrano
Roger Miller	KK6NMR	General	Mission Viejo

We look forward to seeing you all at meetings, club events and hearing you on the radio and the nets.

Horst Zitzmann, KD7JHR
Marie Zitzmann, KD7JHS
Jeff Row, KK6CHF (Assisting)



The view from the SOARA Picnic



The K7RA Solar Update

Solar activity showed further signs of weakness this week, with the average daily sunspot number dropping 41.8 points to 94.9, while average daily solar flux declined 36.5 points to 113.1.

In the 45-day forecast for solar flux, it was surprising back on August 3 to see a new solar flux prediction of 150 for August 31 through September 3. I suspected this prediction would come down to a lower level, more in line with predicted values before and after that period, and in the August 11 forecast, that is what happened. The predicted solar flux for those dates was changed to 125 on August 31 through September 2, then 120 on September 3, where it remains today.

From that 45-day forecast, solar flux at 105 is predicted for August 15, 110 on August 16-18, 105 on August 19-20, then 100 and 110 on August 21-22, 115 on August 23-24, 120 on August 25-26, then 125 and 130 on August 27-28, 125 on August 29 through September 2, 120 and 115 on September 3-4, and 110 on September 5-7. Flux values are expected to go as low as 100 on September 13-16, then rise to 135 by September 24, the day following the fall equinox.

...continued from page 3. **FCC Rule Changes**

If sufficient proof is not presented, the candidate has the option of taking the Tech exam and earning just a new Tech license and then attending an exam session at a later date when they have the proper documentation.

As always, the candidate will have to show a photo ID, present the proof, pay the \$15 exam session processing fee and fill out all forms to receive the paper upgrade. The upgrade is not automatic and may NOT be sent directly to the FCC or to the VEC by the candidate.

Expired licensees will not automatically get their old call sign back. FCC will issue a new sequentially issued call sign. If they desire to obtain their old call sign they may try to do so through the FCC vanity call sign program. However, someone else may have already obtained their old call sign as a vanity call sign and therefore it would not be available. <http://www.arrl.org/exam-element-credit>

SOARA News Items

On Friday, August 8th, the Trabuco repeater on 145.240- was brought back online. There are still adjustments to the audio levels and configuration that need to be made in the near future. More details will be provided in an upcoming Propagator.

Recently, the soara.org WordPress-powered web site, email forwarding, club roster, mailing lists (like this one) were moved to a virtualized server at a new hosting company. The new site provides higher performance and will enable us to automate some of our routine updates to email forwarding, mailing lists, etc.

2014 ARRL Southwestern Division Convention

San Diego - September 12, 13, and 14

The Southwestern Division's largest Amateur Radio gathering is at the upcoming Division Convention on September 12, 13, and 14, at the Four Points Hotel Sheraton San Diego, 8110 Aero Drive, San Diego.

Hosted by the San Diego County Amateur Radio Council, it features talks, demonstrations, and classes, along with vendor displays, prize drawings and optional banquets. The Saturday evening banquet speaker is Ward Silver, N0AX, lead editor of the ARRL Handbook, Antenna Book, and many other publications.

The ARRL Forum on Saturday afternoon will contain an update on Amateur Radio and ARRL happenings as well as present an opportunity for questions, concerns, and suggestions. The web-site at www.sandarc.net/Convention2014/ shows convention activities.

Registration ahead of time is encouraged as it makes the work of the SANDARC, volunteers a little less hectic. Discounted pre-registration ends on August 26.

Discounted hotel rooms are available at the Sheraton by calling (858) 277-8888. Be sure to mention the Amateur Radio or Ham Radio or ARRL event to get the convention rate.

<http://www.sandarc.net/convention2014.php>





T-Hunt Report

Richard, K6RBS & Mike, NM6X hid the transmitter on August 10th. It wasn't too hard to hear at a distance even though I started in Costa Mesa. It got a lot harder to hear the closer I got to the foothills and disappeared completely much of the time. It turns out I was within a half mile of it for a good 20 minutes, but didn't hear it all during that time.

I don't think anyone really "won" except the hiders as they needed to give out clues to find it to all the hunters, though I still know I would have found it if I could have found the trail leading to O'Neill park from the housing development below. I guess there is a thing called a time limit though.

Great job to the hiders for a fun hunt!

73,

Mike, K6MSM

Silent Key — Jerry Di Shino (KN6QK)

One of our long time members and officers Jerry (don't call me Giraude) Di Shino (KN6QK) of Lake Forest and Menifee passed away on 7/19/14. We will miss him.



Here are some pictures from the 2004 SOARA Holiday Party where he was presented with the Ham of the Year award and Certificate of Recognition, by then SOARA President Ray, AE6H.

Jerry was a long time member of the club as well as our treasurer and also a great field day worker.



SOARA Picnic Pictures

Thank you to all who attended the SOARA picnic in Dana Point. The rain that we had departed before our event and we enjoyed a warm, though still a little humid day at the harbor.



7 2014 SOARA Calendar THE PROPAGATOR

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
General Meeting 7:00 PM	27	24	17	21	19	16	21	18	15	20	17	—
Program	Baker to Vegas	Rally	Digital HF	AR Video	Spring Auction	Field Day Prep	AreaBFE	SOARA Fair	TBD	TBD	Fall Auction	—
VEC Testing	27	24	17	21	19	At Field Day	21	18	15	20	17	—
Educational Classes (Starts)	Tech 8		General 5				Tech 4					
SOARA Saturdays (9am)	Feb 1	Mar 1	22	26	24	-	26	23	20	25	22	—
SOARA T-Hunt	12	9	9	13	18*	8	13	10	14	12	9	—
Board Meeting	Feb 3	Mar 3	24	28	Jun 2	23	28	25	22	27	24	—
Special Events	Quartzfest 19-26	Yuma 14-15	Palm Springs 15	Visalia DX 3-6	Dayton 16-18	ARRL Field Day 28-29		SOARA Picnic 3	ARRL SW 12	JOTA 18-19		SOARA Holiday Party 7
Major HF Contests		ARRL DX-CW 15-16 CQWPX RTTY 8-9	ARRL DX-SSB 1-2 CQWPX SSB 29-30		CQWPX CW 24-25	ARRL Field Day 28-29			CQWW RTTY 27-28	CQWW SSB 26-27	CQWW CW 23-24	
Volunteer Events	OC Chili Run 25	Paws Fur Pink 15 OC Chili Run 22	OC Chili Run 22 Baker to Vegas 22	Vision Quest 5	HD Tr. 3 OC Mar. 4 Memorial Day 1/2 26	ARRL Field Day 28-29					Stache Dash TBD	



SOARA meets at the Mission Viejo Community Center, 26932 Veterans Way, Mission Viejo, the third Monday of every month at 7:00 PM. For the months of January and February the third Monday is a holiday and the meeting is held on the fourth Monday.

License Exams: Amateur License Exams are given prior to SOARA meetings. **Exams are at 6pm.** Prior registration is not required and walk-in applicants are welcome. For further information, email Sean Reigle, AJ6B, at aj6b@soara.org.

SOARA Library:

SOARA has many amateur radio related books such as hand books, books about electrical theory, etc. available to lend out to club members. Contact Heiko Peschel ad6oi@soara.org for more info.

Web Site: SOARA maintains a web site with current club information. The URL is: <http://www.soara.org/>

Repeaters: The Laguna Beach, San Clemente, and Trabuco repeaters are open. The Santiago Peak repeaters are closed. For details or questions on the repeaters contact the Repeater director, KG6GI.

	2m	—	147.645	—	(110.9)	Laguna Beach
	2m	—	146.025	+	(110.9)	San Clemente
	2m	—	145.240	—	(110.9)	Trabuco
D-Star	2m	—	146.115	+	(K6SOA C)	Laguna Beach
	220	—	224.100	—	(110.9)	Laguna Beach
	220	—	224.640	—	(123.0)	Santiago Peak. (C)
	440	—	445.660	—	(110.9)	Laguna Beach
D-Star	440	—	445.700	—	(K6SOA B)	Laguna Beach
	440	—	447.180	—	(131.8)	Santiago Peak. (C)
D-Star	1.2G		1282.600	—	(K6SOA A)	Laguna Beach

Nets:

UHF/VHF (447.180, 147.645 & 224.640): Tuesdays 8:00 PM

D-Star (146.115 C module): Wednesdays 8:00pm

40 meter HF (7.200 MHz +/- for QRM), Sundays 8:00 AM.

Gordo Net (HF 7.250 MHz +/- for QRM), Weekdays 8:30AM

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