



THE

PROPAGATOR

The Monthly Newsletter of the South Orange Amateur Radio Association

May 2014

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Spring Auction

It's that time of year again, when you have the opportunity for some Spring Cleaning! We have a lot of new hams in the club and seasoned hams that would be glad to take an antenna or two off your hands. So, please bring in your ham-related items, regardless of how new or old and help your house look a little cleaner, help your pocket -book and also help SOARA in the process!

If you have items to auction, bring them EARLY to our regular meeting room at 5:30pm to get them checked in. Be prepared to fill out a tag for each item or lot that you want to sell. An example is below:

SOARA Auction	5/19/14	Serial #
SELLER		
Call Sign: _____		
Please Print Legibly		
Donate: YES	Min. Bid: \$	_____
(Circle)		(Optional)

SOARA takes a small percentage of the sale price as an auction handling fee or you can donate the item to SOARA in which case the club will receive 100% of the proceeds.



From the VP

As always, May and June are busy months we and we have lots for you. This coming Monday is the auction so please come early and bring money and ham radio related gear.

Then, SOARA Saturday (May 24) will be at Gilleran Park where we will test out the new tents, etc. for Field Day.

On Monday May 26 is the Laguna Hills 1/2 marathon and it is not too late to volunteer for that. Contact Sean aj6b@soara.org or Heiko ad6oi@soara.org June 27-29 is Field Day. If you are new to amateur radio, this is where you can learn more about ham radio in one weekend than in the rest of the year. We are looking for volunteers to help with set up tear down and operation as well as coordinating the various aspects of the event. [See page 3 for details.]

Feel free to volunteer. Please see Pierrette k6ptr@soara.org or Heiko ad6oi@soara.org.

Meeting

May 19th,
2014

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

Get Ready for Field Day 2014!

(See page 3 for details)



www.arri.org



**Dayton
Hamvention**
May 16-18

**SOARA
Auction**
May 19

**SOARA
Saturday**
May 24

ARRL Field Day
Jun 28-29

VEC License Exams

6pm before the
General Meet-
ing

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

Walk-ins ok.

Extra | General |
Technician

[SOARA
Website](#)

SOARA upcoming events calendar (volunteers needed):

Here is a list of upcoming events that we need help on. Please mark your calendars and contact Heiko, [AD6OI](#) for more information.

- **SOARA Saturday:** May 24. Please see below for details.
- **Memorial Day 1/2 Marathon:** May 26, 2014
- **Field Day:** June 27-29. Please see page 3 for additional information.



SOARA Saturday

SOARA Saturday is at **Gilleran Park** this month on **May 24th** from 9am - 2pm.

Please help us get ready for Field Day! SOARA Saturday will be at Gilleran and expanded for Field Day – we will be checking over the tents, coax and overall items for Field Day. Hotdogs & chips will be cooked (we need to season the new grill).

We should have a radio to play with, along with a 2m Yagi and RACES may be in attendance as well.

SOARA Raffle:

Hal Silverman

This month, the raffle gives way to the SOARA auction. Thank you for your support for both the raffle and the auction.

If there are any comments or suggestions for either the \$1 prizes or a future \$5 prize, please contact me at WB6WXO@SOARA.org



April's raffle winner, Pierrette, K6PTR



Propagation de K7RA

QST de W1AW
Propagation Fore-
cast Bulletin 19
ARLP019
From Tad Cook,
K7RA
Seattle, WA May
9, 2014
To all radio ama-
teurs

We saw an uptick in solar indices over the past reporting week (May 1-7) compared to the previous seven days, with average daily sunspot number rising from 73.4 to 118.4, and average daily solar flux up 13 to 135.6. The most active geomagnetic days were May 4-5, with planetary A index at a relatively moderate 16 and 10, mid-latitude A indices of 15 and 11, and the high latitude college A index (measured at Fairbanks, Alaska) at 25 and 10.

Since then, we saw another active day yesterday (May 8) when the planetary A index reached 20, mid-latitude A index was 13, and Alaska's college A index (from Fairbanks) was 41, a high number.

Get Ready for Field Day

Tentative Schedule for Field Day:

Fri 6/27 3pm: Setup begins (towers, antennas, tents)
Fri 6/27 6pm: Dinner: Hot dog & chips
Sat 6/28 8am: Remaining setup & donuts/coffee
Sat 6/28 11am: Field day operations begins
Sat 6/28 12pm: Lunch (hamburgers / hotdogs)
Sat 6/28 2pm: VE Testing Session
Sat 6/28 4pm: Education Activity (TBD)
Sat 6/28 5:30pm: Dinner (street tacos)
Sun 6/29 8am: Breakfast: donuts/coffee
Sun 6/29 11am: Field day operations cease
Sun 6/29 12:30pm: Lunch (hotdogs) Raffle prize drawn (TBA)

Volunteer Positions:

Please help SOARA by volunteering for available positions or by assisting those that have already agreed to the various posts.

HF & VHF operators:

(available - no time slots this year—please join us at any hour! - 1 hour maximum during peak hours)

FD Captain:

Sean, AJ6B

Cooking:

Tony Gawel w/ Pierrette helping

HF Antenna Capt:

(available)

VHF/UHF Antenna Capt:

(available)

Computers:

Mike, K6MSM

HF Radios to bring:

Sean (K3 for CW station)

Spencer, NG6K (FT950 for SSB)

TBD for Data/SSB

Mike (FT450 for GOTA)

VHF/UHF Radios:

Heiko, AD6OI

Safety:

(available)

Tents/Power/Lighting:

(available) or Craig?

Testing:

Sean

Education Activity:

(available) or Frank?

Getting FD bulletin on Friday:

Horst & Marie

GOTA Czar:

(available) (Don's brother is bringing the trailer again this year, with the tri-band beam, but will not attend FD)



www.arrl.org

W1AW Centennial Operations Shift States on May 21 (UTC)

The ARRL Centennial W1AW WAS operations taking place throughout 2014 from each of the 50 states now are in South Dakota (W1AW/0). They will relocate at 0000 UTC on Wednesday, May 21 (the evening of May 20 in US time zones) to New York (W1AW/2) and Colorado (W1AW/0).

During 2014 W1AW will be on the air from every state (at least twice) and most US territories.

[A schedule of operations can be found [here](#).]



Scanner Info

FIREOC will be the primary "All Hazard" VHF frequency (Grp. 1/ Chan 5) and will be used as OC Access was in the past. OC Access will be available as a secondary frequency if necessary. FIREOC is multi-toned and does not require the user to enter a tone on the keypad. It is very user-friendly (just Push to Talk).

Note: this is not in a ham band and info is provided for listening purposes.

DISPLAY:
FIREOC

RX FREQ:
151.010

RX CTCSS:
(2)123.0

TX FREQ:
154.965

TX CTCSS:
(2)123.0 H

NOTES:
Orange County
Fire Access

Membership Report

SOARA gives a big welcome to all our new members:

Name	Call Sign	Level	Location
Nelson Echesabal	W6NLE	Technician	Lake Forest
Robert (Bob) Evans	KK6BML	General	Laguna Niguel
Michael Magaldi	K6YNP	General	Coto De Caza
Bibi Mitchell	KK6JWO	General	Irvine
Jerry Kowalsky	KK6JWK	Extra	Irvine
Debra Rice	KJ6RZW	General	Lake Forest
Dennis Rice	KJ6RZV	General	Lake Forest
Paul Sapp	KB7V	Extra	Mission Viejo

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

We have a total of 205 members on our roster.

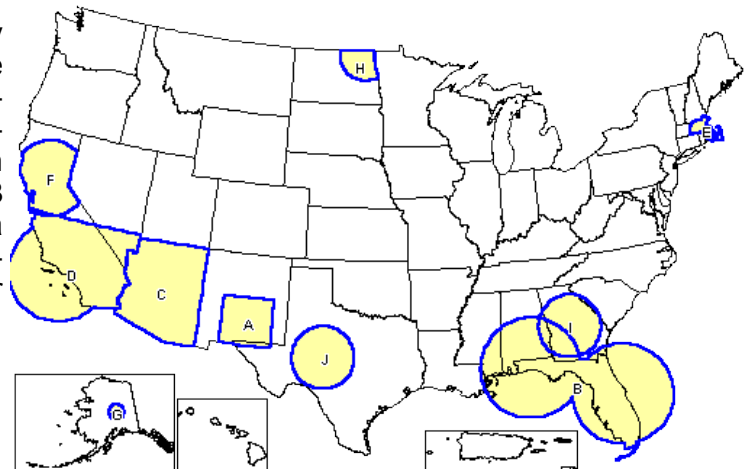
Horst Zitzmann, KD7JHR
Marie Zitzmann, KD7JHS

50 Watt Limitation (PEP) for 70cm/440 Operation

Are you aware of the 50W (Peak Envelope Power) transmitter power out limitation for the 70cm/440 band? Please see the below for more information.

Part 97.313(f) says:

(f) No station may transmit with a transmitter power exceeding 50 W PEP on the UHF 70 cm band from an area specified in paragraph (a) of footnote US270 in §2.106, unless expressly authorized by the FCC after mutual agreement, on a case-by-case basis, between the District Director of the applicable field facility and the military area frequency coordinator at the applicable military base. An Earth station or telecommand station, however, may transmit on the 435-438 MHz segment with a maximum of 611 W effective radiated power (1 kW equivalent isotropically radiated power) without the authorization otherwise required. The transmitting antenna elevation angle between the lower half-power (-3 dB relative to the peak or antenna bore sight) point and the horizon must always be greater than 10°.



More information can be found on the FCC website [here](#).

BEGINNER HAM RADIO CLASS

- Live equipment demonstrations, including emergency communications.
- Training on how to operate through local radio repeater systems.
- Radio demonstrations of radio internet linking, and computer communications.
- Multiple choice examinations with no Morse code test required.

Ham radio operators provide valuable communications in an emergency. Many cities throughout the country use ham radio operators to support Community Emergency Response Team (CERT) training and actual call-outs. This four-session class will feature live ham radio equipment for everyone to learn how to operate. With homework between sessions, spend a few weeks learning to pass your amateur radio Element 2 Technician Class examination, and pass your Technician test given the Saturday following the last session at Amateur Radio Field Day.

Class schedule:	Wednesday evenings, 6:30pm – 9:30pm
Classroom dates:	6/4, 6/11, 6/18, 6/25 (2014)
Location:	Norman P. Murray Community & Senior Center 24932 Veterans Way Mission Viejo, CA 92692
Costs:	FREE instruction \$15.00 FCC examination fee
Required Materials:	Gordon West 2010 Technician Study Manual (~\$25)
Registration:	Internet pre-registration is required at: http://www.soara.org/education/technician-ham-radio-class/
Sponsor:	South Orange Amateur Radio Association (www.soara.org)



6 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	TBD	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	21	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						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

SOARA OFFICERS

President: Tom Hobbs, AE6SH 949-830-8131
ae6sh@soara.org

V.P. Heiko Peschel, AD6OI 949-859-3868
ad6oi@soara.org

Secretary: Rick Edgmon, NU6D 949-495-2979
nu6d@soara.org

Treasurer: Frank Kromann, AG6QV 949-702-1794
ag6qv@soara.org

SOARA DIRECTORS

Repeater: Howard Brown, KG6GI 949-581-2634
kg6gi@soara.org

Publications: Mike Mahan, K6MSM. 949-279-9936
k6msm@soara.org

Membership: Horst, KD7JHR & Marie, KD7JHS
Zitzmann 949-768-8552
kd7jhr@soara.org or kd7jhs@soara.org

Education: Sean Reigle, AJ6B 714-261-1717
aj6b@soara.org

Technical: Brian Roode, NJ6N 949-495-5336
nj6n@soara.org

Communications: Spencer Ammermon, NG6K
. 949-606-6249
ng6k@soara.org

SOARA COMMITTEES

Activities: Pierrette Rizco, K6PTR. 949-235-2546
k6ptr@soara.org

Testing: Sean Reigle, AJ6B 714-261-1717
aj6b@soara.org

Website: Brian Roode, NJ6N 949-495-5336
nj6n@soara.org

Ambassador: Heiko Peschel, AD6OI 949-859-3868
ad6oi@soara.org

Saturdays: Frank Kromann, AG6QV 949-702-1794
ag6qv@soara.org

