



THE

PROPAGATOR

The Monthly Newsletter of the South Orange Amateur Radio Association

June 2013

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Meeting

June 17th,
2013

7:00 PM

N.P.

Murray
Center

Veterans
Way
Mission Viejo

ARRL FIELD DAY

It's FIELD DAY time again!

Please join us at the monthly SOARA meeting on Monday, the 17th, for final planning and for hands-on logging demonstrations. Here is a schedule of events:

Monday, June 17th.

This month's SOARA meeting will focus on training and planning for Field Day. Besides providing the necessary information to help you to enjoy the event, there will be sign-ups for your preferred radio operating time slots and volunteer positions.

Friday, June 21nd

We will be allowed to start set-up on Friday, 3pm, at Gilleran Park...

Continued on pg. 2



QST de AD6OI

The next two months will be full of fun.

As you know our next meeting will be on Monday June 17 at the Norman P. Murray Center. We will be discussing our Field Day preparations. We have room for three H.F. stations, a GOTA station for new and non active hams and a VHF/UHF station. Thanks to Don Hill we will also have ATV. Mike, K6MSM will provide us with computer and logging support (he can probably use some assistance with that). Pierrette, with Sean's help, will be in charge of the food and drinks as well as furniture, for the weekend. Tom, AE6SH is supplying the power generator. We are still looking for a third FT-950 for the H.F. set up. Elsewhere in the Propagator and on the web you will find more about Field Day. So come out and help, the set up starts at 2pm on Friday June 21 and contesting starts at 11am on Saturday the 22nd.

In July our guest speaker will be Wayne Overbeck and his topic will be: "Two DXpeditions to the South Pacific--well, sort of DXpeditions".

in August we will have our annual picnic with more information to follow.

Heiko, AD6OI



Field Day Schedule

Fri 6/21	3pm	Setup begins (towers, antennas, tents, etc.)
Fri 6/21	6pm	Dinner: Hot Dogs and Chips
Sat 6/22	8am	Remaining setup & Continental Breakfast (Donuts & Danishes)
Sat 6/22	11am	Field Day Operations Begin
Sat 6/22	12pm	Lunch (Hamburgers & Hotdogs)
Sat 6/22	2pm	VE Testing Session
Sat 6/22	4pm	Educational Activity (Solar Controllers)
Sat 6/22	5:30pm	Dinner (Street Tacos)
Sun 6/23	8am	Continental Breakfast (Donuts & Danishes)
Sun 6/23	11am	FD Operations Cease / Begin Teardown
Sat 6/23	11am	Field Day Raffle—Nexus 7

Field Day Location:

Where is SOARA's Field Day?

We will be at Gilleran Park which is located at 24960 Felipe Road between La Paz and Oso Parkway. (Note Felipe Road becomes Olympiad North of La Paz) - see pg. 6 for a map

New for 2013—Field Day Raffle!

In addition to all the fun you can have on the radios, catching up with friends and enjoying the food, you can also enter the raffle for a Google Nexus 7. Please see Mike, K6MSM for details. Tickets will only be on sale during Field Day. (no license needed to enter).

Field Day Special

Join SOARA on Field Day (Saturday or Sunday) and the Initiation Fee will be **waived**. (new members only)

If you haven't already, please check out the new [SOARA website](#), which has seen many improvements!

K6SOA

...continued from pg. 1:

Antennas, coax, radio stations, etc. should be up by 6:00pm, after which we can enjoy some chips and hot dogs. We need all the help we can get to build our Field Day "City"!

Saturday, June 22nd:

Please show up for coffee and donuts at 8:00am to help make final adjustments prior to commencement of contesting. Then get on the air! We begin making contacts at 11:00am. Field Day continues throughout the day and night. Those that care to may bring a tent and/or sleeping bag to catch some sleep at the park during the night.

Sunday, June 23rd

Field Day contacts continue until 10:59:59 am on Sunday morning at which time we stop operating and begin taking down the antennas, radios, tables, etc. and moving them back to the container. Again, we will appreciate all the help we can get with the cables, antennas, radios, etc. Thank you! Also, don't miss the SOARA Field Day Raffle!



**HRO
Ham Jam**
June 15

**SOARA FD
Prep Meeting**
June 17

FD Setup
June 21

ARRL Field Day
Jun 22-23

**SOARA FD
Raffle**
Jun 23

SOARA Picnic
Aug 4

VEC License Exams

Next session:
**(2:00pm), at
Field Day**
Contact Sean
[AJ6B](#) for info.

Walk-ins ok.

Extra | General |
Technician
Exams



SOARA Raffle

The June Raffle will feature a multi-band HF antenna, the first we have seen at the raffle for quite some time. If you are a new General, or looking to upgrade soon (or even a Tech for 10m), check it out!

Comet CHV-5X



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

Field Day Equipment

For many of us it's not every day that we get to play with the big beams. Field Day is your best chance to check out what a "real" antenna can do!

Antennas planned:

- Beams for: 20m, 15m, 10m, 6m, 2m & 440
- Wire antennas for 40m and 80m
- Tri-band beam for GOTA (10,15,20 + 40m dipole)
- The "batting cage" vertical

Radios planned:

- FT-950, FT-1000, & Other HF Radios for the main & FT-450 GOTA stations
- IC-706 MKII-G for the VHF/UHF station



Please note that there is **NO SOARA SATURDAY** this month at the Murray Center, due to Field Day. Please join us at Field Day for your questions instead, thanks!

More About Field Day

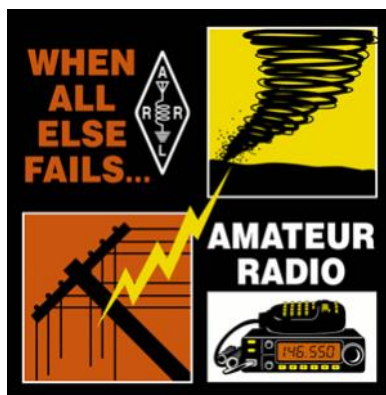
Field Day is the single most popular on-the-air event held annually in the US and Canada. Each year over 35,000 amateurs gather with their clubs, friends or simply by themselves to operate.

With Solar Cycle 24 (hopefully) showing up just in time, Field Day 2013 promises to be an exciting event. This should allow us to make many contacts, especially on the spacious 15 meter band, and possibly the huge 10 meter band, during the day and even into early dusk hours.

If you are new to amateur radio (or Technicians & Generals with less than one year, or inactive hams), you will want to spend time at the GOTA station collecting QSOs from around the country on HF. You will also have an opportunity to talk on amateur television, try D-Star, and to experience satellite communication. Don't miss this once a year event! For those experienced hams, all contest bands should be open for contacts using all modes; Phone, CW, RTTY, PSK31, ATV, etc. Please be prepared to log lots of contacts and generate lots of points!

If you are interested in helping, please contact Heiko (AD6OI) at ad6oi@soara.org or come to the meeting!

Also, for many of us it's not every day that we get to play with the big beams. Field Day is your best chance to check out what a "real" antenna can do!





From Membership

This month we welcome four new SOARA members who joined in time to be active and involved at our Field Day:

Cor Ruiten, K6COR, a General class licensee from Foothill Ranch

George and Peggy Robinson, KK6DRU and KK6DRT, both Generals from Mission Viejo.

John Thurston, KK6EVF, a brand new Technician class licensee from Laguna Niguel.

We welcome you and hope you will enjoy the club's activities and opportunities for using and advancing your radio skills.

Horst Zitzmann, KD7JHR & Marie Zitzmann, KD7JHS

Membership Directors
SOARA

The membership application is available on the SOARA website:

[Online SOARA Membership Application](#)

The HF Page CQ Field Day...

Selected Contests/Links

- Field Day (June 22-23)
- [DXPeditions](#)
- [NOAA - Space Weather](#)
- [Propagation de K7RA](#)
- [ARRL Propagation Charts](#)



ARLP024 Propagation de K7RA

Average daily sunspot numbers declined over 32 points this week to 39.6. Average daily solar flux was down more than 8 points to 99.2.

Tuesday's solar flux at 89.5 was the lowest since June 22-25 of last year, when values ranged from 84 to 88.6. Likewise, Tuesday's sunspot number of 14 was also the lowest since June 25, 2012 when the sunspot number was also 14. Since then both numbers have been recovering, with Wednesday and Thursday's sunspot numbers at 27 and 45, and solar flux at 93.3 and 98.9.

The latest prediction has solar flux at 105 on June 14-17, 100 on June 18-19, 105 and 110 on June 20-21, 115 on June 22-24, 110 on June 25, 105 on June 26-28, and 110 on June 29 through July 4.

Solar flux is expected to reach a minimum of 95 around July 7-8 and another peak at 115 on July 18-21. Note that ARRL Field Day is June 22-23, right when solar flux is expected to be highest.

The predicted planetary A index is 5 on June 14-16, 8 on June 17-18,

5 on June 19-20, then 25, 18, 10 and 8 on June 21-24, 5 on June 25-27, then 30, 20, 10 and 8 on June 28 through July 1, 5 on July 2-4, 10 on July 5-6, 8 on July 7, and 5 on July 8 through mid-month.

A geomagnetic forecast comes to us this week from Petr Kolman, OK1MGW, who sees quiet to unsettled conditions June 14, mostly quiet June 15-18, quiet to unsettled June 19-20, **quiet to active June 21-23**, quiet to unsettled June 24, quiet June 25-26, quiet to active June 27, active to disturbed June 28-29, quiet to unsettled June 30 through July 2, quiet to active July 3-4, mostly quiet July 5-6...

The latest NASA prediction for Cycle 24 moves the sunspot peak back to Summer 2013, but NOAA predicts the peak for the end of this year.

Check pages 16 and 17 at: <http://www.swpc.noaa.gov/weekly/pdf/prf1970.pdf> and note the highest smoothed sunspot and solar flux numbers are predicted in November and December 2013. These are smoothed international sunspot numbers, with a scale quite a bit lower than the Boulder numbers reported here.

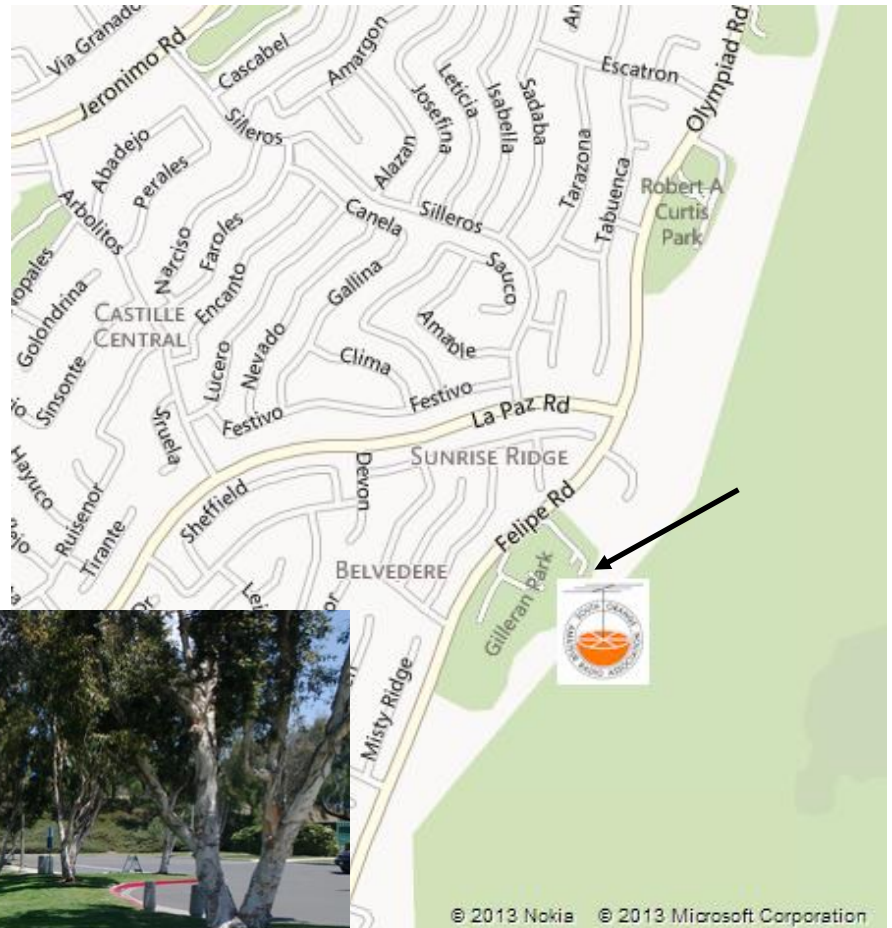
If you would like to make a comment or have a tip for our readers, email the author at, k7ra@arrl.net.

HeathKit Being Revived?

Here is another item that may interest some of the club members (especially the "old timers") -- At one time practically every ham had built at least one piece of HeathKit equipment. Periodically there are rumors that HeathKit is being revived. Well, presently someone has obtained the HeathKit name and is asking interested parties just what kits would appeal to them. Maybe the company will actually be revived .

Here is the URL: <http://heathkit.com/survey/index.php/278489/lang-en>

73,
Dale
W8RRV



Gilleran Park—Site of SOARA's Field Day Activities

Old Time Humor

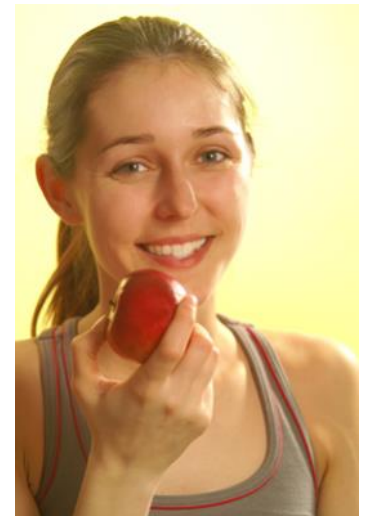
See how Broderick Crawford's Chief Dan Mathews 10-4's, with help from an ARRL emergency net, and saves the known world from a radioactive disaster on the classic TV series: **HIGHWAY PATROL** ([Episode Guide](#)) This information is taken from the pages of THE TV COLLECTOR, which also has dates and actors for each episode.

Radioactive:

A thief steals a piece of oil research equipment that contains radioactive elements; if it's disassembled, exposure would be fatal. When police close in, he jettisons it, hoping to get it later. But he's caught and he leads police to the spot where he cast it off. They learn that a junk scavenger found it and sold it to a junk dealer, who sold it to a ham radio operator, whose name he doesn't know. With the man about to disassemble it in his pregnant wife's presence - Dan reaches them just as the radioactive pellets come out of their casing.

Modern photographs of some locations are available. Watch this episode at: [TV Page \(hulu\)](#).

10-4 good Buddies and 73 Tom Parkes, KI6DDB



Year 2013	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
General Meeting 7:00 PM	28	25	18	15	20	17	15	19	16	21	18	—
Program	Digital Radio	Tropo Ducting	DX Pedition	K6ACJ	Spring Auction	Field Day Prep	2 DXP's	SOARA Fair	TBD	TBD	Fall Auction	—
VEC Testing	28	25	18	15	20	Field Day	15	19	16	21	18	—
SOARA Saturdays (9am)	Feb 2	Mar 2	23	20	25	—	20	24	21	26	23	—
SOARA T-Hunt	6	10	10	14	12	9	14	11	8	13	10	8
Board Meeting	Feb 4	Mar 4	25	22	Jun 3	24	22	26	23	28	25	—
Special Events		Yuma 15-16			Dayton 17-19	Field Day 22-23		Picnic 4				Holiday Party 1
ARRL Field Day						22-23						
SOARA Picnic								4				
Holiday Party												1

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)
D-Star	440	—	445.660	—	(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: Tom Parkes, KI6DDB 714-224-2982
ki6ddb@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