



THE

PROPAGATOR

The Monthly Newsletter of the South Orange Amateur Radio Association

January 2014

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Meeting

January
27th, 2014

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

Baker to Vegas

For our next meeting on Monday Jan 27 we have an FT-60 for our \$5 raffle. We also have a good guest speaker with an interesting subject.

Joy Matlack, KD6FJV, the Communications Director for Baker to Vegas will be speaking about the upcoming race and the significant contribution amateur radio makes to the smooth and safe conduct of the race. This race could not be efficiently and safely run without amateur radio. Vic Ray, W6VGR, is the Officer in Charge of Stage 8 and will be recruiting SOARA members to work the stage with him. It takes twelve hams at each of the 19 stages and many more at race headquarters. Currently, we need about six more hams at Stage 8. Sign up for the race and you'll meet Kate Hutton, K6HTN, (Famously nicknamed the Earthquake Lady or Dr. Kate, is staff seismologist at the California Institute of Technology in Pasadena, California) She is already signed up to work this stage. She is a marvelous lady and a great ham! You don't want to miss this presentation!

BAKER TO VEGAS

2014

**MARCH 22ND
& 23RD**

From the VP

The real Definition of Amateur Radio is that it is not a hobby but a public service. Having said that, most of us think of the fun that we have practicing our "hobby" and only occasionally think what we can do when the chips are down. Emergency communications consist of two major branches: the first is local communications - city, county, and area wide; and the second is nationwide or global. For local communications we have radio systems, including repeater stations with back up power, that will cover Southern California and more. For longer distances we use the high frequency bands between 80 meters and 10 meters with batteries and other back up systems. This range of frequencies is used to support global emergencies such as earthquakes, hurricanes and other

major catastrophes. Most forms of communication, including the internet, cell phones and even home phones stop working the moment the power grid goes down. We as amateur radio operators like to be able to say that we can communicate without external power. We have big batteries, generators, and will even use our vehicles to power our radios to make sure that they will work in a pinch. The attack of 911 and the emergence of Homeland Security has proven to be a real boon to amateur radio. Hams are being used to support their efforts for emergency communications. Also, several religious organizations - notably The Church of Jesus Christ of Latter Day Saints - have really worked hard to encourage their members to become hams and they have done it from the top down with reasonable success.

AD6OI



Quartzfest
Jan 19-26

SOARA Meeting
Jan 27

SOARA Saturday
Feb 1

Yuma Hamfest
Feb 14-15

VEC License Exams

6pm before the General Meeting

Next session:
January 27th
Contact Sean
[AJ6B](#) for info.

Walk-ins ok.

Extra | General |
Technician
Exams

[SOARA Website](#)

SOARA upcoming events calendar (volunteers needed):

Have you ever wondered what else you can do with amateur radio? There are so many aspects to the hobby, but perhaps the great of these, and the most rewarding is public service. Here is a list of upcoming events that we need help on. Please mark your calendars and contact Heiko, AD6OI or Sean, AJ6B for more information. Our presentation this month will be on the Baker to Vegas event.



January 25, 2014 (morning), O'Neil Park, Foot Race
February 22, 2014 (morning), O'Neil Park, Foot Race
March 22, 2014 (morning), O'Neil Park, Foot Race

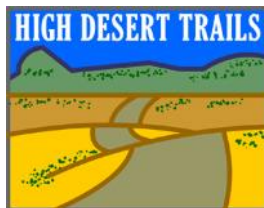


February 15, 2014 (morning), Irvine Regional Park, Foot Race

Baker to Vegas: March 22, 2014 (all day), near Las Vegas, Foot Race



April 5, 2014 (all day), Orange County, Bike Race



May 3, 2014 (all day), Ridgcrest, Car Rally Race



May 4, 2014 (all day), Orange County, Foot Race

SOARA Raffle:

Hal Silverman

The raffle resumes this month. The \$5 prize will be an FT-60. We will need to sell 35 tickets to raffle the radio. Thank you.

73.....Hal

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





Propagation de K7RA

Average daily sunspot numbers increased slightly this week from 111.4 to 113.3, but average daily solar flux declined by 22 points from 155.4 to 133.4. Although there seems to be no shortage of sunspots, they are anemic and not magnetically complex, and thus radiation from the spots is feeble, indicated by lower solar flux values.

Predicted solar flux for the near term is 135 on January 24, 130 on January 25-26, 135 on January 27, 140 on January 28-30, 150 on January 31, 155 on February 1-5, 160 on February 6-7, then 150, 140 and 135 on February 8-10, 125 on February 11-15, and 130 on February 16-20.

Predicted planetary A index is 5 on January 24-26, 8 on January 27, 12 on January 28, 5 on January 29 through February 6, 8 on February 7-8, 5 on February 9-16, 8 on February 17 and 5 on February 18-23.

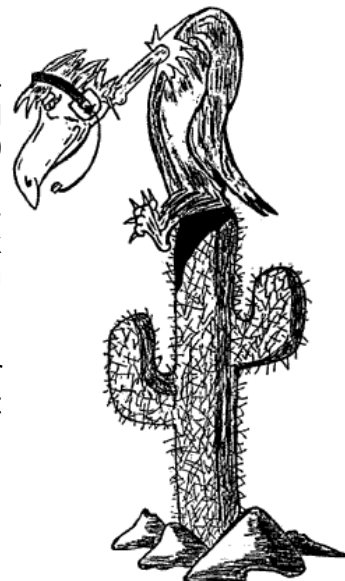
2014 Yuma Hamfest (Feb 14-15th)

Now in our tenth year and one of the largest hamfests in the ARRL's Southwestern Division, the Yuma Hamfest is one of the few multi-day convention-style hamfests held in Arizona. We feature commercial exhibitors and vendors, tailgating, grand prizes worth \$13,700, on-site RV camping, free parking, seminars held in parallel tracks, amateur license testing, DXCC card checking, an antenna clinic & transmitter hunt, our famous "Buzzard BBQ" dinner, great hourly door prizes, a hospitality area, the "Country Store" consignment sales area, and much more.

Admission is only \$5, tailgating spots are \$10 for the weekend, and we offer a food concession run by a professional chef. Our now-famous "Buzzard BBQ" dinner is only \$10 and has sold out for the last three years. We are giving away a Samsung Note 10.1 tablet as an admission registration prize to someone just for attending. You should mark the third weekend of February on your calendar and plan on attending the Yuma Hamfest.

Please check our website at www.yumahamfest.org for more information. If you have questions, contact us at info@yumahamfest.org or by phone at 928-305-1034.

Roger Hunt, K7MEX
Director, Yuma Hamfest



www.arrl.org

2013 Field Day Results

In Class 3A, SOARA came in #42 Nationally, and First in the Orange Section, AND, First in the SW Division!

Our final score was 5,758 adjusted points.

Thanks to everyone who participated!

SOARA 70cm D-Star New Frequency

Temple Hill D-Star Repeater K6SOA B has a new frequency of 445.700-

Also, the Temple Hill 70cm FM repeater has been placed back into full time operation at 445.660- (110.9Hz).

Please see page 5 for a coverage map of the re-commissioned FM repeater.





Silent Key

Larry Small, K6GZM, a long time ham and a former SOARA member passed away recently. He was a friend of the Noah's as well as Patti and myself.

Heiko, AD6OI

The membership application is available on the SOARA website:

[Online SOARA Membership Application](#)



High Desert Trails Rally

Organizers of the High Desert Trails Rally series are getting ready for the 2014 High Desert Trails Rally on Saturday, May 3rd! Their website is: <http://highdeserttrails.com>. The following is a request for volunteers for the event:

The 2014 event will be much the same as the last few years on the Jawbone area stages near Ridgecrest, CA, but as the event expands we need even more volunteers every year to be able to put on a great event. We need YOUR help! There's lots of positions that we need filled, especially:

- Time Control Workers, including MTC, and Stage Captains
- Communications / Amateur Radio Operators
- Course Set-up (including banners, stakes, and arrows) - before event start (Friday during the day or VERY early on Saturday)
- Course Clean-up - after event finish
- Course closing or sweep vehicles
- Licensed EMTs
- Non-ham road blockages
- Scoring Team
- Spectator Marshals
- Trophy Team (Digital Photography)



For more information and to sign up, please see the volunteer area of our website at: <http://highdeserttrails.com/volunteers>

We will be providing lunch and water for all registered volunteers. As an additional incentive for participating as a volunteer for this year's rally, we are also offering you a discounted entry at the brand new High Desert Trail Rallycross! For more information and to sign up for the rallycross, please visit the rallycross section of our website! (Please note that signing up as a volunteer, which you must do first, does not automatically enter you in the rallycross.)

We have a great reduced host hotel rate for all suites at the SpringHill Suites Marriott. Please be sure to book your rooms with the host hotel soon! Call Brooklynn at (760) 428-6003 for reservations, and be sure to mention "The High Desert Trails Rally" to receive the same great reduced rate as last year of \$109 (plus tax) per night (before the rate expires on April 12th). You can also use the following link to make your reservations: <http://cwp.marriott.com/iyksh/highdeserttrailsrally/>. There are many additional hotels in town to choose from with rates ranging from \$50-\$150 per night.

If you have any questions that are not answered on the website, please feel free to email us at:

rally@highdeserttrails.com

Thank you in advance for your participation, Christine & Kristopher Marciniak Co-Organizers, High Desert Trails Rally

<http://highdeserttrails.com>

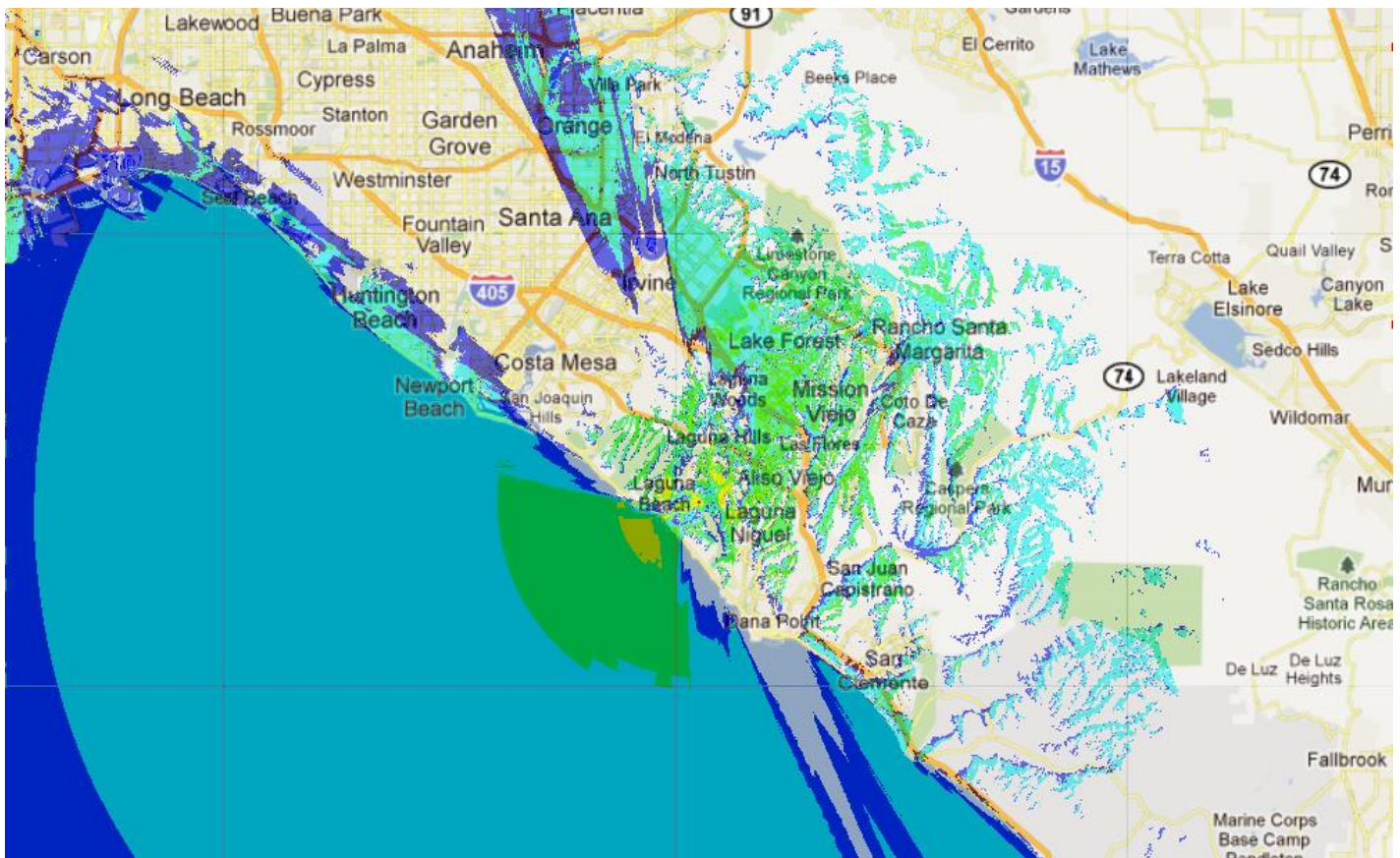
T-Hunt News

Mike, K6MSM hid the T on January 12th. Since it was a nice day, but not too much of a busy beach day, he decided to hide the T on Newport Peninsula to give the hunters a new challenge of being out across the water. The hunters were not quite as confounded as he expected, however, with team Gray, WA6BJY & Alan showing up around just 1 hour and 15 minutes of hunting. However, it is rumored that their start position was rather fortunate for this hunt. Team Richard, K6RBS, Mike, NM6X & Tom AE6SH, showed up just about 10 minutes later and we also had a guest hunter join us as he heard the T on the air. Thank you all for coming and joining us for a nice winter's day on the beach!



445.660 Coverage Map

As noted earlier in the Propagator, the old analog FM repeater on 445.660- (110.9) has been re-commissioned. Here is a coverage map for it. Please check it out and add it to your various radio memories!



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	TBD	TBD	TBD	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		General		Tech		General	
SOARA Saturdays (9am)	Feb 1	Mar 1	22	26	24	21	26	23	20	25	22	—
SOARA T-Hunt	12	9	9	13	11	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	Warriors Society 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

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