



THE

July 2017

# PROPAGATOR

The Monthly Newsletter of the South Orange Amateur Radio Association

## IN THIS ISSUE

Digital Radio	1
President's Message	1
Coming Soon	2
VEC Exams	2
Field Day Results	2
Field Day	2
Raffle	3
T-Hunt Moved	3
SOARA Picnic	3
Membership	4
New Members	4
SOARA Saturday	4
Speaker Bio	4
Calendar	5
SOARA Info	6

**General Meeting**  
July 17, 2017  
7:00 PM

NP Murray Center  
Veterans Way  
Mission Viejo

## Digital Radio Systems

This month's meeting speaker will be Patrick Williams, KJ6PFW, and the topic will be Digital Radio systems and monitoring, including trunked radio systems.

Having been involved in Marine (VHF/HF), Aviation, Commercial and Public Safety communications most of his life, Patrick is currently President and Radio of MESAC, the City of Costa Mesa's Emergency Auxiliary Communications Unit.

Patrick works with the Costa Mesa City Emergency management to maintain their EOC, and manage the Radio Room He has completed the FEMA/DHS AUXCOMM training and participates with Cal OES at the JTF iBASE, Los Alamitos. He frequently participates in communications for several high profile public service events such as Baker to Vegas, and the Mojave Death Race, the Surf City Marathon, and the Huntington Beach Air Show. He has also taught classes at Orange County's Loma Ridge, dealing with the County's trunked radio system.

### President's Message

This past month has been a very event filled one, and I want devote this month's message to thanking the many SOARA members who have contributed to making the past month's events happen.

First, we had Field Day, and while the work to plan, organize, and execute Field day began several months. It reached a fever pitch beginning just about a month ago. While it took the efforts of many people to make field day happen, I'd like to recognize the people who stepped into leadership positions to make things happen. I want to commend Frank, KK6AWB, our Field Day Captain, who stepped in cold, and worked diligently to bring us one of the best, and most organized Field Days in my memory. Then there was Ed, WA6ED, who

took the reins of putting together spreadsheets and lists of the tasks needed, and for keeping us organized.

There is no particular order to the other folks I need to thank, but here's the list: HF Antenna Captain, Paul, KB7V, Cooking Crew: Tony, TNY, Michelle, CAT, and Dave QCI. VHF/UHF Antenna Captain: Heiko, OI, who also drove to Ranch Cucamonga to pick up the trailer generator, and return it, Logging Server & Laptops: Mike K6MSM, Testing: Lori, NI6X, Antenna Stringing: Steve K6UVR, GOTA Tower and Beam, brought down from Ontario: Don BXT and his brother, Lighting: Craig KI6WLP, and many more. If I missed your name, it's not for lack of gratitude, it's just that the events of the past month have been somewhat a blur.

Before all of Field Day was wound down, (finalization of this year's Field Day is still ongoing) the Tuesday after, SOARA was tasked to staff of Ham Radio booth at the OC Fire Watch Symposium, in Irvine. Thanks to Bill FRY who helped pull that together. Then it was Ham Jam July 8, at HRO in Anaheim, where SOARA had a great booth, and made many contacts. Thanks to ED WA6ED, Heiko OI, Scott WHC, and several others who kept the booth staffed at all times. Lots of other SOARA folks came by, and helped when they could.

With several upcoming events, SOARA Summer Picnic and National Night Out, next month promises to have many opportunities for SOARA folks to be 'radio-active.' Involvement increases the enjoyment of our hobby so thanks again for all that all of you do for SOARA and Ham Radio. -Ray, AE6H

### Here is a short bio on this month's speaker:

Patrick Williams, KJ6PFW  
MESAC President / Chief Radio Officer

*(Continued on page 4)*



**COMING SOON**

**SOARA Meeting**  
July 17

**SOARA Saturday**  
July 22

**SOARA Picnic**  
Aug 6

**SOARA T-Hunt**  
Aug 13

**CQWW RTTY**  
Sept 23-24

## VEC License Exams

6pm—before the General Meeting

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

Walk-ins ok.

Extra | General | Technician

## Field Day Results

Thanks to all who participated in Field Day this year, whether it was just to set-up, tear-down, cook, operate or give the VEC testing. Our results were better than last year, by almost 200 contacts, despite poor conditions as ever! Here is how we did compared with other recent years.



Year	Total	Dis-tinct	QSO Points	0.7	1.25	2	6	10	15	20	40	80	SAT
2005	1725	1297	2506	9	0	27	173	16	311	605	410	174	0
2006	1347	1099	2105	0	0	15	99	32	69	672	365	91	3
2007	1316	1063	1911	4	0	39	89	37	123	579	246	196	2
2008	1091	862	1724	0	0	14	65	5	91	377	388	146	2
2009	1802	1370	2569	4	5	38	169	83	233	494	473	293	9
2010	2403	1765	3218	4	3	23	173	164	277	832	681	244	1
2011	1783	1413	2561	1	0	8	75	13	155	701	621	205	2
2012	1857	1512	2603	0	0	31	46	3	763	512	371	129	0
2013	1636	1358	3272	0	14	25	87	9	279	814	367	41	0
2014	1669	1323	3338	0	0	16	82	31	283	596	532	128	0
2015	1755	1380	3510	0	9	12	45	25	301	732	475	156	0
2016	1014	785	2028	0	3	19	52	6	107	367	394	65	0
2017	1209	903	2418	0	0	25	63	1	103	447	475	95	0

## Field Day Pictures

More (and larger) pictures can be found at the following link. Thank you, Tak (W6Si) for these! [http://dgtak.com/PhotoGallery/Gallery-SOARA\\_FieldDay\\_170624/](http://dgtak.com/PhotoGallery/Gallery-SOARA_FieldDay_170624/)





### August T-Hunt Moved!

The first Sunday of the month for the hunts with the exception of the first weekend in August (SOARA picnic) and Superbowl Sunday. I noticed that the August T-hunt is scheduled for the same weekend as the picnic in the Propagator. I want to move the hunt to the second weekend of August and was wondering if you could reflect that in the next Propagator. I will send out an email stating the same.

Thanks,  
Gray

## SOARA Raffle

The \$5 raffle is a Yaesu FT8900R. It is a quad band mobile radio that covers 10M, 6M, 2M and 440Mhz. We will have to sell only another 30 tickets to complete the raffle.

The \$1 prizes will be a clock from MFJ, a repeater directory, a cordless drill from HF, a screwdriver set from HF and a general handbook.

73.....Hal WB6WXO



## SOARA Picnic

WHEN: First Sunday of August (August 6, 2017)  
 TIME: 11:00am - 2:00pm  
 WHERE: End of Island Way, Dana Point ([map](#))  
 TALK-IN: 146.025+ 110.9hz



On the first Sunday of August SOARA holds a picnic to give an opportunity for the families of the club members and their friends to meet in an informal setting.

SOARA provides hamburgers, hot dogs, tea and water. We ask that club members bring a side dish.

There is no cost for this event. The public is welcome although we request that you recognize that this function is provided on a first come first served basis and supplies will be limited.



### Membership Report

We now have 224 active members. I suggest all members attend and participate in as many events as possible to gain maximum benefit from your membership. We have seven new members from field day and three more applications to process at our next board meeting.

### Welcome New Members!

**Cher Baker,**  
TBD

**Warren Davis,**  
TBD

**Peggy Falcon,**  
KA6MES

**Amy Frank,**  
KM6LLX

**Ron Prince,**  
KM6LMA

**Larry Waldstein,**  
KC6PCC

**Randy Williams,**  
KM6KUR

73,  
Ed, WA6ED  
[member-ship@soara.org](mailto:member-ship@soara.org).

## SOARA Saturday July Report

It's easy to walk around and ask questions and see things work. So, attend, ask questions, have fun, share your experiences, and knowledge. SOARA will provide [coffee and donuts](#). Time 9am to noon. Contact: Ed Barnes, [WA6ED@soara.org](mailto:WA6ED@soara.org) suggestions are welcome for future Saturdays. Let me know if you are interested in participating on a SOARA Saturday committee to help guide future events. The June SOARA Saturday was at field day. Tony W6TNY lead several battery box builds. It was fantastic to see so many members interested in emergency power.

### Future, SOARA Saturdays

- Jul 22, Gilleran Park, Emergency Power, This is where we share useful ideas for emergency radio go kits, power, and setup tips. We will setup tables and chairs like last year. See everyone's equipment working without utility power. Battery boxes, Solar, Generators...
  - Aug 26, Gilleran Park, Antenna workshop, I need volunteers to bring and demo various antennas. Any band antenna is okay. HOA stealth antennas would be interesting. Open discussion on antenna problems and how they were solved. This is a workshop for discussion for sharing ideas and solutions.
  - Sep 23, Gilleran Park, DSTAR workshop. Brian offered help with DSTAR! We may change the date depending on schedules.
  - Oct 21, Gilleran Park, RTL-SDR and SDRPlay software defined radio (SDR) workshop, on Raspberry Pi3 and or PC laptop.
- Nov 25, Murray Center, need suggestions, Maybe \$50 HF antenna analyzer demo with [FoxDelta.com](http://FoxDelta.com) kit?

73, Ed, WA6ED

### (Continued from page 1) - *Speaker Bio*

I have been involved in Marine (VHF/HF), Aviation, Commercial and Public Safety communications most of my life.

After joining Costa Mesa CERT in 2010, I was directed to obtain my HAM Radio License through a class taught by Gordon West at the Newport Beach Fire Department. I was immediately recruited to join MESAC. Since obtaining my Technician license, I have upgraded to General.

As part of my work with MESAC, I work with our Emergency Management/Communications Lieutenant to maintain the EOC and manage the Radio Room. The job also includes deploying the CMPD Mobile Command Vehicle for the annual Radio Rodeo to test the capabilities of inter-agency mobile communications in Southern California.

I have completed the FEMA/DHS AUXCOMM Training, and attend CalOES meetings at JTF Base Alamos.

Throughout the year I participate in communication, safety and EMS support for the Chimera 100 and Old Goat 50 Ultra Marathons, the Baker to Vegas Challenge Cup, the Mojave Death Race, the Surf City Marathon and the Huntington Beach Airshow. I check in every weekday morning on the 40 meter California Rescue Communication net.

I have also taught classes at Control One/Loma Ridge on radio monitoring including the Orange County trunked radio system (CCCS) with Delia Kraft, Program Support Manager - Orange County Sheriff's Department, Communications & Technology Division.

I will bring handouts and a scanner. I will not need a projector. Estimated presentation time 30 minutes. Thanks, Patrick

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
General Meeting 7:00 PM	23	27	20	17	15	19	17	21	18	16	20	-
Program	SOTA	DXp 3Y0Z 2018	EQ Tom Broz	You and SOARA	<a href="#">Spring Auction</a>	<a href="#">Field Day Prep</a>	Digital Radio	<a href="#">SOARA Fair</a>	TBD	TBD	<a href="#">Fall Auction</a>	-
VE Testing	23	27	20	17	15	At Field Day 24	17	21	18	16	20	--
Educational Classes	21	25	18	15	13	17	15	19	16	14	18	-
SOARA Saturdays (9am)	28	Mar 4	25	22	20 Murray	24 Gilleran	22 Gilleran	26 Gilleran	23 Gilleran	21 Gilleran	25 Murray	-
SOARA T-Hunt	8	5	5	2	7	4	2	13 (new)	3	1	5	3
Board Meeting	30	Mar 6	27	24	22	26	24	28	25	23	27	-
Special Events	<a href="#">Quartzfest 22-28</a>	<a href="#">Yuma Hamfest 17-18</a>	<a href="#">Palm Springs Hamfest Feb 4</a>	<a href="#">Visalia Intl DX 21-23</a>	<a href="#">Ohio Hamven- tion 19-21</a>	<a href="#">ARRL Field Day 23-25</a>	HRO Ham Jam 8	<a href="#">SOARA Picnic 6</a>		<a href="#">JOTA</a>		<a href="#">SOARA Holiday Party TBD</a>
Ham-Related Swap Meets	<a href="#">TRW 28</a> <a href="#">C.A.R.S. 21</a>	25  18	25  18	29  15	27  20	24  17	29  15	26  19	30  16	21  28	25  18	30  16
Major HF Contests		<a href="#">ARRL DX-CW 18-19</a> <a href="#">CQWPX RTTY 11-12</a>	<a href="#">ARRL DX-SSB 4-5</a> <a href="#">CQWPX SSB 25-26</a>		<a href="#">CQWPX CW 27-28</a>	<a href="#">ARRL Field Day 24-25</a>			<a href="#">CQWW RTTY 23-24</a>	<a href="#">CQWW SSB</a>	<a href="#">CQWW CW</a>	
Volunteer Events	<a href="#">OC Chili Run 21</a>	<a href="#">Paws Fur Pink 26</a>  <a href="#">OC Chili Run 25</a>	<a href="#">OC Chili Run 25</a>  <a href="#">Baker to Vegas 25-26</a>	<a href="#">Desert Storm Rally 7-8</a>	<a href="#">HD Trails 6</a> <a href="#">OC Mara -thon 7</a> <a href="#">Memorial Day 1/2 Mara- thon 29</a>	<a href="#">ARRL Field Day/ Setup/ Ops/ Clean 23-25</a>	4th of July Fire -works 4			<a href="#">Vision Quest</a>		<a href="#">Run for a Claus</a>

\*Dates subject to change.  
Check the [SOARA website](#) to verify  
locations and times.

2017 HRO Hamjam (pictured to the right). Thanks to all  
who helped promote SOARA at this event!



**SOARA** meets at the [Norman P. Murray Center](#), 24932 Veterans Way, Mission Viejo, CA on 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, except June. **Exams are at 6pm.** Prior registration is not required and walk-in applicants are welcome. For June, exams are held at Field Day. For further information, email Sean Reigle, AJ6B, at [aj6b@soara.org](mailto: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](mailto: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, or [repeater@soara.org](mailto:repeater@soara.org).

	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 — (pvt)	Santiago Peak. (C)
	440 — 445.660 — (110.9)	Laguna Beach
D-STAR	440 — 445.705 — (K6SOA B)	Laguna Beach
	440 — 447.180 — (pvt)	Santiago Peak. (C)
D-STAR	1.2G 1282.600 — (K6SOA A)	Laguna Beach

#### **Nets:**

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

D-STAR (146.115 C module):  
Wednesdays @ 7:30PM

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

10 meter HF (28.410 +/-)  
Sundays after the 40m net.

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



#### **SOARA OFFICERS**

**President:** Ray Hutchinson, AE6H 949-322-8468  
[ae6h@soara.org](mailto:ae6h@soara.org)

**V.P.:** Sean Reigle, AJ6B 714-261-1717  
[aj6b@soara.org](mailto:aj6b@soara.org)

**Secretary:** Lambert Matias, KK6WOW 312-545-2270  
[kk6wow@soara.org](mailto:kk6wow@soara.org)

**Treasurer:** Lori Carey, NI6X 949-444-8190  
[ni6x@soara.org](mailto:ni6x@soara.org)

#### **SOARA DIRECTORS**

**Repeater:** Brian Roode, NJ6N 949-257-2749  
[nj6n@soara.org](mailto:nj6n@soara.org)

**Publications:** Mike Mahan, K6MSM 949-279-9936  
[k6msm@soara.org](mailto:k6msm@soara.org)

**Membership:** Ed Barnes, WA6ED 949-468-7706  
[wa6ed@soara.org](mailto:wa6ed@soara.org)

**Education:** Steve Kuver, K6UVR 949-874-1972  
[k6uvr@soara.org](mailto:k6uvr@soara.org)

**Technical:** Tom Hobbs, AE6SH 949-830-8131  
[ae6sh@soara.org](mailto:ae6sh@soara.org)

**Communications:** Heiko Peschel, AD6OI 949-859-3868  
[ad6oi@soara.org](mailto:ad6oi@soara.org)

#### **SOARA APPOINTMENTS**

**Past President:** Tom Hobbs, AE6SH 949-830-8131  
[ae6sh@soara.org](mailto:ae6sh@soara.org)

**Activities:** [Open]—Please contact us ([board@soara.org](mailto:board@soara.org)) if you are interested.

**S. Saturdays:** Ed Barnes, WA6ED 949-468-7706  
[wa6ed@soara.org](mailto:wa6ed@soara.org)

**Raffle:** Hal Silverman, WB6WXO 714-897-5002  
[wb6wxo@soara.org](mailto:wb6wxo@soara.org)

**Testing:** Sean Reigle, AJ6B 714-261-1717  
[aj6b@soara.org](mailto:aj6b@soara.org)

**Website:** John Zimmer, KM6BEE TBD  
[km6bee@soara.org](mailto:km6bee@soara.org)

**Ambassador:** Spencer Ammermon, NG6K [Blog  
ng6k@soara.org](mailto:ng6k@soara.org)