



VOL. LXI NO. 07

P.O. BOX 3454, TUSTIN, CA 92781

July 2020

## The Prez Sez...

By Dan K16X



Can you believe we are still mostly shut down with the COVID-19 pandemic? That is the worst part of the shut-downs is the unknown future. Each month's Board meeting is a do-over from what we were thinking the previous month. The Board has decided to hold the July and August General Meetings via Zoom with future meetings undecided. Our Vice-President has been working with the speakers to help them make the presentations as Zoom friendly as possible. Doug, K6JEY, is even planning video from his test lab to talk about test equipment in August. This month we have a talk about DMR (digital radio) by Michael, AF6FB.

I hope many of you were able to enjoy Field Day. I had never somewhat seriously operated a

1D (home) effort and should have read the rules more carefully. There were bonus points available to home stations that I did not attempt to obtain. I "assumed" all bonus points were related to "club" entries. Please get your log in to the ARRL (via links in emails that have gone out) no matter how small. They all add up. Using the web form also gets you 50 bonus points. You will find in the FD emails an address to ask questions for help. We are planning a similar effort for the California QSO Party.

It is also time to start thinking about the Big OCARC Auction planned for October\* and if you have items you will want to auction off. Of course, as with everything, subject to change and notice will be given as far in advance as possible.

I really hope you have been getting something out of YOUR club. We have had great presentations via Zoom and have even had group activities while staying isolated. I do miss meeting in person, and we will continue trying to get the information to you through the "RF" and email "blasts" to the membership (and some friends). \*May be subject to change

**NEXT MEETING IS**  
**July 17, 2020 7PM**

**JOIN US**



**ZOOM ONLINE**  
**OCARC Virtual Meeting**

**Presentation:**

**"DMR RADIO"**

by Michael Rickey AF6FB

**Please Note**

**Due to the COVID-19 Pandemic**  
**ALL current OCARC members will**  
**receive ZOOM INSTRUCTIONS**  
**by EMAIL**

**ALL OCARC NETS**  
**Remain Active!**

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**Secretary:**

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**Treasurer:**

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**Activities:**

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[af6n@w6ze.org](mailto:af6n@w6ze.org)

**Publicity:**

Vijay Anand, KM6IZO  
[km6izo@w6ze.org](mailto:km6izo@w6ze.org)

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Ron Mudry, W6WG  
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[w6wg@w6ze.org](mailto:w6wg@w6ze.org)

**2020 Club Appointments:****W6ZE Club License Trustee:**

Bob Eckweiler, AF6C  
(714) 639-5074  
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**Club Historian(s):**

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Bob Evans, WB6IXN (Emeritus)  
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**Assistant Webmaster:**

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[af6c@w6ze.org](mailto:af6c@w6ze.org)

Tim Millard, N6TMT  
(714) 744-8909  
[n6tmt@w6ze.org](mailto:n6tmt@w6ze.org)

**ARRL Awards Appointees:**

Arnie Shatz, N6HC  
(714) 573-2965  
[N6HC@aol.com](mailto:N6HC@aol.com)

John Schroeder, N6QQ  
(West Orange Co.)  
(562) 404-1112  
[N6QQ@msn.com](mailto:N6QQ@msn.com)

**Monthly Events:****General Meeting time & location:**  
**REGULAR MEETINGS\***

**\*See ZOOM announcement on Page One**

Normally Held third Friday of the month at 7PM, located at:  
*The American Red Cross*  
600 Parkcenter Drive  
Santa Ana, CA

**Club Breakfast (Board Mtg) info:**

First Saturday\* each month 8 AM  
Marie Callender's Restaurant  
307 E. Katella Ave  
Orange, CA 92867

**\*Temporarily Cancelled ZOOM only**

**Club Nets (Listen for W6ZE):**

**10M: 28.375 ± MHz SSB**

Wed- 7:30 PM - 8:30 PM  
Net Control: Corey, KE6YHX

**2M: 146.55 MHz Simplex FM**

Mon, Wed, Fri 8:30 PM - 9:00 PM  
Net Control: Corey, KE6YHX

**75M 3.883 MHz LSB**

Wed @ 9:15 PM  
Follows right after end of 2M Net  
Net Control: Corey, KE6YHX

**Outside Nets: CARA REPEATER**

**147.090 MHz (+0.600 MHz) No PL**  
(Net-A1-9) Monday - Friday  
9:00 AM and 9:00 PM  
NC & Prg. Director. Tom W6ETC  
NC: Jeff: KK6TRC / Don W6ZZW

<b>OCARC 2020 DUES</b>	
<b>Membership period is:</b> <b>1 January to 31 December</b>	
Individual New or Renewal:	\$30.
Family New or Renewal:	\$45.
Teen New or Renewal:	\$15.
<b>New Member Dues are prorated quarterly and includes a badge:</b>	
Additional Badges:*	\$ 3.
Use one of our interactive online forms to calculate current prices, join the club and/or order badges:	
<b>Online Forms / Dues &amp; Badges</b>	
* \$3. plus mailing costs if applicable Dues are subject to change without notice	







"RF"

## ORANGE COUNTY AMATEUR RADIO CLUB

JULY 2020

## FIELD DAY SUMMARY - with COVID-19 OCARC Aggregated score details

FOR

## THE ORANGE COUNTY AMATEUR RADIO CLUB - W6ZE

by: Ken / W6HHC &amp; Bob / AF6C

NOTE: Adjustments have not been made for duplicate contacts, and bonus points. Final scores appear in QST.

YEAR	160M SSB	80M CW	75M SSB	40M CW	40M SSB	20M CW	20M SSB	15M CW	15M SSB	12M SSB	10M CW	10M SSB	6M CW	6M PHN	2M CW	2M PHN	220 PHN	440 PHN	UHF CW	UHF PHN	ATV	RTTY/ Dig	SAT- ELLITE	GOTA	---- TOTAL ---- QSO's / (POINTS)		
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	22	0	0	0	0	0	0	82	/	164
2020 OCARC aggregate	0	80	7	433	682	528	291	27	0		1	1	3	21		310	14	101				1093	6	0	3680	/	11,292
W6ZE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	22	0	0	0	0	0	0	82	/	164
N6GP	0	48		207	51	107	37	1				1	1	15		75	12	32				23		0	612	/	1,994
N1BKB			1		353		41		0					2		23		13				67		0	567	/	1,134
KI6X						32										15						236		0	283	/	1,062
K6GTE				38	1	51		2					2									11		0	105	/	1,045
W6WG		32		26		142	19	12																0	231	/	886
K6RBS					247		76									9		5				234		0	571	/	805
KJ6ZH																						72		0	72	/	720
KX6A				78		55		12			1			3		22		10						0	181	/	644
AF6N				26		102																		0	128	/	512
W6ZQ																						220		0	220	/	440
W6ATB																						101		0	101	/	404
K6PGH						22	23									6		1				41		0	93	/	312
K6JEY																11		4				67		0	82	/	298
W6NKK				50																				0	50	/	200
AF6C							36									30		8						0	74	/	148
W6ETC			6		17		4									25		1						0	53	/	106
N6CTB				8		12	6									2								0	28	/	96
N2VAJ					2		4							1		29	2	3					6	0	47	/	94
W6FKX					9		35									1								0	45	/	90
NI6E																1		1				21		0	23	/	90
N6TMT					2		10									1		1						0	14	/	28
AI6ZV						5																		0	5	/	20
2019	0	43	34	392	566	536	322	29	0	0	0	7	0	10	0	18	3	8	0	0	0	271	6	0	2,239	/	7,032

## FIELD DAY SUMMARY - with COVID-19 OCARC Aggregated score listed

FOR

## THE ORANGE COUNTY AMATEUR RADIO CLUB - W6ZE

by: Ken / W6HHC &amp; Bob / AF6C

NOTE: Adjustments have not been made for duplicate contacts, and bonus points. Final scores appear in QST.

YEAR	160M SSB	80M CW	75M SSB	40M CW	40M SSB	20M CW	20M SSB	15M CW	15M SSB	12M SSB	10M CW	10M SSB	6M CW	6M PHN	2M CW	2M PHN	220 PHN	440 PHN	UHF CW	UHF PHN	ATV	RTTY/ Dig	SAT- ELLITE	GOTA	---- TOTAL ---- QSO's / (POINTS)
2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	22	0	0	0	0	0	0	82 / 164
2020 OCARC aggregate	0	80	7	433	682	528	291	27	0		1	1	3	21		310	14	101				1093	6	0	3,680 / 11,292
2019	0	43	34	392	566	536	322	29	0	0	0	7	0	10	0	18	3	8	0	0	0	271	6	0	2,239 / 7,032
2018	0	97	182	476	923	592	848	138	211	0	38	60	0	67	1	52	0	13	0	0	0	137	4	45	3,884 / 10,726
2017	0	0	12	449	852	262	787	0	0	0	0	0	0	25	0	51	0	0	0	0	0	91	4	50	2,583 / 6,770
2016	0	29	18	163	342	206	760	15	18	0	0	0	1	36	0	44	0	1	0	0	0	188	1	52	1,874 / 4,952
2015	0	53	121	115	507	661	1161	190	324	0	1	71	3	60	0	45	0	6	0	0	0	77	0	1	3,396 / 8,992
2014	0	111	122	756	723	1059	1113	559	382	0	57	134	25	133	0	43	0	11	0	0	0	121	23	47	5,419 / 16,214
2013	0	269	339	655	1052	895	1960	484	614	0	38	67	6	60	0	60	15	11	0	0	0	144	4	186	6,859 / 18,700
2012	0	14	51	125	78	215	735	185	330	0	0	12	1	50	0	37	5	5	0	0	0	13	0	408	2,264 / 5,634
2011	0	58	176	168	217	253	703	32	198	0	16	40	0	57	0	37	0	16	0	0	0	0	0	139	2,110 / 5,278
2010	0	0	0	240	342	223	727	49	0	0	0	0	1	96	0	32	1	7	0	0	0	0	0	160	1,878 / 4,786
2009	0	277	126	838	807	974	970	495	368	0	5	450	11	375	0	125	18	20	1	0	0	0	2	130	5,992 / 17,446
2008	0	179	204	690	405	411	878	141	43	0	22	68	15	135	0	34	2	14	0	3	0	0	5	16	3,265 / 9,468
2007	1	356	310	910	830	988	1285	381	320	0	18	150	9	145	2	175	40	70	2	9	0	2	11	142	6,156 / 17,648
2006	0	28	20	89	512	156	664	16	10	0	0	0	0	38	1	85	0	7	0	0	0	114	0	113	1,853 / 4,514
2005	0	113	6	158	481	337	534	122	17	0	0	0	0	74	0	36	16	20	0	0	0	0	0	31	1,945 / 5,350
2004	0	166	239	37	412	131	477	31	105	0	1	114	0	0	0	46	12	20			0	0	1	0	1,792 / 4,316
2003	0	0	85	52	127	27	295	0	191	0	0	41	0	52	0	64	1	13			0	0	0	0	948 / 2,054
2002	0	26	69	192	279	76	229	0	485	0	0	18	0	62	0	68	6	10			3	2	0	3	1,528 / 3,648
2001	0	0	25	101	251	0	432	0	675	0	0	109	0	48	0	28	1	0			0	0	3	-	1,673 / 3,548
2000	0	19	20	88	91	0	625	0	794	0	0	121	0	36	0	72	7	15			0	0	1	-	1,889 / 3,992
1999	0	13	20	15	237	0	996	0	724	0	0	22		5	0	2	0	0			0	0	0	-	2,034 / 4,124
1998	0	24	75	65	136	100	250	0	624	0	0	82		0	0	46	17	12			0	7	1	-	1,439 / 3,270
1997	5	81	131	83	306	150	853	14	275	0	0	106		32	0	79	4	0			0	32	1	-	2,152 / 5,024
1996	-	146	228	104	125	283	673	40	605	0	0	217		121	0	32	0	40			0	13	1	-	2,628 / 6,428
1995	-	145	272	203	94	443	572	51	451	0	0	131		66	0	93	29	8			0	33	6	-	2,597 / 6,944
1994	-	114	114	208	45	486	748	85	761	0	13	312		58	0	94	33	0			0	31	0	-	3,102 / 8,078
1993	-	150	100	159	81	530	700	131	812	0	0	179		40	0	86	12	16			0	35	0	-	3,061 / 8,132
1992	-	0	294	200	110	541	555	0	840	0	0	232		13	0	74	0	1			2	41	80	-	2,983 / 7,530
1991	-	105	308	182	182	400	623	9	463	0	0	104		4	0	141	23	11			0	48	0	-	2,626 / 6,740
1990	-	0	0	70	144	0	370	0	747	0	0	131		39	0	114	14	26			0	2	-	-	1,657 / 3,454
1989	-	30	0	98	5	0	906	21	172	0	0	238		3	0	121	24	9			1	18	-	-	1,646 / 3,590
1988	-	127	0	93	75	2	359	0	570	0	144	81		0	0	32	0	-			-	14	-	-	1,497 / 3,726
1987	-	22	0	0	39	0	708	0	18	1	117	0		1	0	51	0	-			-	5	-	-	962 / 2,202
1986	-	0	46	219	78	0	488	0	45	10	0	0		0	0	82	0	-			-	0	-	-	968 / 2,374
1985	-	85	0	315	91	35	662	78	0	-	0	0		0	0	22	0	-			-	-	-	-	1,288 / 3,602
1984	-	18	0	313	0	32	196	32	350	-	0	0		0	0	0	0	-			-	-	-	-	941 / 2,672
1983	-	3	93	200	0	0	776	0	995	-	0	43		18	0	16	1	-			-	-	-	-	2,145 / 4,696
1982	-	0	105	59	238	40	352	19	515	-	0	72		0	0	155	27	-			-	-	-	-	1,582 / 3,400
1981	-	0	167	200	265	60	699	77	717	-	0	105		0	0	197	0	-			-	-	-	-	2,487 / 5,648
1980	-	20	149	205	235	471	318	52	1,025	-	0	226		12	0	100	36	-			-	-	-	-	2,849 / 7,194
1979	-	0	195	198	92	42	773	0	737	-	0	95		0	2	124	8	-			-	-	-	-	2,266 / 5,016
1978	-	16	196	246	170	30	981	57	558	-	13	145		0	1	164	23	-			-	-	-	-	2,600 / 5,926
1977	-	25	243	182	199	0	843	81	486	-	4	309		0	4	234	0	-			-	-	-	-	2,610 / 5,812
1976	-	99	254	152	487	21	600	64	210	-	2	54		0	0	2	0	-			-	-	-	-	1,945 / 4,566
1975	-	80	120	154	274	40	863	140	259	-	0	123		0	0	0	0	-			-	-	-	-	2,053 / 4,934
1974	-	6	161	6	333	0	630	12	342	-	0	110		0	0	0	0	-			-	-	-	-	1,600 / 3,248
1973	-	90	226	0	452	0	932	0	273	-	0	0		0	0	46	0	-			-	-	-	-	2,019 / 4,218
1972	-	0	50	0	350	0	521	0	530	-	0	0		0	0	94	0	-			-	-	-	-	1,545 / 3,090
1971	-	0	274	0	106	0	530	0	136	-	0	0		0	0	0	0	-			-	-	-	-	1,046 / 2,092
1970	-	0	272	0	0	0	531	0	426	-	0	0		0	0	0	0	-			-	-	-	-	1,229 / 2,458
1969	-	0	98	0	50	0	375	0	301	-	0	0		0	0	169	0	-			-	-	-	-	993 / 1,986
1968	-	10	224	62	396	93	328	24	430	-	0	68		0	0	145	0	-			-	-	-	-	1,780 / 3,938



## UPCOMING ACTIVITIES

### July 2020

- [FISTS Summer Unlimited Sprint](#): 0000 UTC through 0400 UTC Saturday July 11.
- [IARU HF World Championships](#): 1200 UTC Saturday July 11 through 1200 UTC Sunday July 12.
- \*[CQ WW VHF](#): 1800 UTC Saturday July 20 through 1159 UTC Sunday July 21.
- \*\*[North American QSO Party / RTTY](#): 1800 UTC Saturday July 18 through 2100 UTC Sunday July 19.
- [RSGB IOTA Contest](#): 1200 UTC Saturday July 25 through 1200 UTC Sunday July 26.
- [ARS Flight of the Bumblebees](#): 1700 UTC through 2100 UTC Sunday July 26.

### August 2020

- [10-10 International Summer Contest, SSB](#): 0001 UTC Saturday August 3 through 2359 UTC Sunday August 2.
- \*\*[North American QSO Party / CW](#): 1800 UTC Saturday August 1 through 0559 UTC Sunday August 2.
- \*\*[North American QSO Party / SSB](#): 1800 UTC Saturday August 15 through 0559 UTC Sunday August 16.
- [W/VE Islands QSO Party](#): 1200 UTC Saturday August 29 through 0300 UTC Sunday August 30.

\* Indicates club entries are accepted

\*\* Indicates team entries are accepted

Note: When submitting logs for ARRL Contests indicate your club affiliation as "Orange County ARC"

### State QSO Parties 2020:

- [Maryland-DC QSO Party](#): 1400 UTC Saturday August 8 through 0400 UTC Sunday August 9.
- [Hawaii QSO Party](#): 0400 UTC Saturday August 22 through 0400 UTC Sunday August 24.
- [Ohio QSO Party](#): 1600 UTC Saturday August 22 through 0400 UTC Sunday August 23.
- [Kansas QSO Party](#): 1400 UTC Saturday August 29 through 0200 UTC Sunday August 30 and 1400 UTC through 2000 UTC August 30.

### Ongoing Activities 2020:

- **Super QP Challenge**: Year Long Event

### Repeating Activities 2020:

- **Phone Fray** Every Tuesday night at 0230Z to 0300Z
- [SKCC](#) Weekend Sprintathon (Straight Key CW) on the first weekend of the month after the 6<sup>TH</sup> of the month. 1200 Sat. to 2359Z Sunday.
- [SKCC](#) Sprint (Straight Key CW) 0000Z to 0200Z on the 4<sup>th</sup> Tuesday night (USA) of the month.
- **CWops** Every Wednesday 1300 UTC to 1400 UTC 1900 UTC to 2000 UTC and Thursday 0300 UTC to 0400 UTC

Send an email to Ron W6WG, [w6wg@w6ze.org](mailto:w6wg@w6ze.org) to have your favorite activity or your recent RadioActivity listed in next month's column.



Image by Tom W6ETC



## California QSO Party October 3 & 4, 2020

### Orange County Amateur Radio Club

After a successful Winter Field Day and a enjoyable ARRL Field Day it's time to make a concerted effort in one of the most prestigious and anticipated State QSO Parties. The California QSO Party gives you the opportunity to become the station the rest of the country wants to get into their log. There are many clubs that have participated in the CQP year after year so the competition for bragging rights is tough.

If you choose to participate your score will be listed both under your call sign and included with the OCARC club score.

We are planning to enter the "Small Club" category where the 10 highest scores entered by each "small club" will be used to calculate the clubs final score.

Visit the CQP website at [www.cqp.org](http://www.cqp.org) for all the information you will need to help put OCARC on top.

This is intended to be an "At Home" event similar to how Field Day was conducted.

California QSO announcement from Ron W6WG





The Coronavirus pandemic has captured the bulk of our attention recently. Locally it has given birth, among other things, to **several new ham networks**. We are all encouraged to participate in them. Among the new nets are:

Corey KE6YHX, operating as the primary net control operator for OCARC nets, continues to host the General Discussion net who's focus is to provide "service and support during the Coronavirus health-threats and restrictions." The two nets are called the **"OCARC Coronavirus Support Net."** Here is the information:

**7:30 PM Wednesday 10M: 28.375 ± MHz SSB**

**8:30 PM each Monday, Wednesday and Friday 2M\*: 146.55 MHz Simplex FM**

\*2M is also available on **EchoLink** node 'KK6TRC-L.'



Tom W6ETC reported that the **Net-At-9 "Wellness and Support"** net is extremely going well! It can be heard on the CARA (Catalina Amateur Repeaters Association) repeater network. During the net both their 2 meter and 1.25 meter (220) repeaters are linked. Program format includes two (2) sets of Round Table conversations. Here is the information:

**9 AM & 9 PM Monday – Friday on CARA Repeaters:**

**2M:** 147.090 MHz (+0.600 MHz) No PL and

**1.25M:** 224.420 MHz (-1.600 MHz) PL 110.9 repeaters.

It is also available on **EchoLink** node '**\*CATALINA\***.'



Net-At-9 Net control operations are handled by Tom W6ETC, Jeff KK6TRC and Don W6ZZW. This NET is an **INFORMAL** net that is **OPEN** to **ALL amateur radio operators**. Come join us!





## OCARC BOARD MEETING MINUTES 2020-07-04

Due to the COVID-19 restrictions on physical gatherings, the latest OCARC Board meeting was held **ON-LINE via ZOOM** on Saturday July 04, 2020 at 8:30 AM. In attendance were nine (9) Board Members and Directors and one (1) club member. All board directors (except Vijay KM6IZO) were present for a Board quorum.

The ZOOM technology was hosted by Tim N6TMT and co-hosted by "El Presidente" Dan KI6X worked very well and allowed the board to see agendas and reports as well as to see which board member was talking.



### Director Reports:

- **Membership** – Corey KE6YHX reported that the club has a total of 96 members who have paid their 2020 membership (also including honorary members).
- **Treasury** - Greg W6ATB confirmed to the membership chair that the renewal check from Steve N1BKB had been received. Greg W6ATB reported that the club had an asset balance of \$5,128 and a net profit of \$556, so far Year-to-Date. See Newsletter Page 15 for a cash flow report of the club's finances.

### Old Business:

- **Newsletter Editors**  
**July** – Tom W6ETC (this issue)  
**August** – Seeking Volunteer  
**Sept** – Dan KI6X
- **General Meeting Programs**  
**Because of COVID-19 restrictions, the Board has agreed to conduct a ZOOM General Meeting in July and August that is open to all OCARC members.**

Interested visitors & non-members will be able to **request admission using a new club e-mail address** available on the front page of the club website.

### Meeting Topics and Presenters:

**July** – “DMR Radio” by Michael Rickey AF6FB

**Aug** – “Ham Test Equipment” by Doug Millar K6JEY

**Sept** – To Be Determined

**Oct** – “Radio Auction” (Pending)

### • Bylaws Update Committee

1. The Board conducted a ZOOM bylaws work session on Monday, June 22, 2020.
2. The Board reviewed and agreed upon many changes with only the WEB MASTER section to be proposed by Ken W6HHC and Bob AF6C.
3. Corey KE6YHX has incorporated the agreed changes from June 22 into a new draft of the Bylaws and sent it to the Board members.

### • OCARC Tri-fold Brochure update

Dan KI6X and Bob AF6C reported all of the changes are now made for the Tri-fold Brochure. Dan expects the club can purchase 500 flyers at GotPrint for under \$150.

### • ARRL Field Day 2020

1. Tim N6GP reported this year was operated many from member's home QTHs, with a few going portable in the field and going 'mobiling' to high locations.
2. Ken reported that many members submitted their FD score to the ARRL – AND requesting “club recognition” of operating for benefit of OCARC identified as “**Orange County ARC CA**”. As of the Board meeting, members had already submitted enough home entries to pass up the 2019 score for W6ZE. [Secretary's note: as of July 8 twenty-two (22) club members had submitted scores to the ARRL for OCARC and the **aggregated club points total exceeded more than 10,000!!!**

### • California QSO Party

Ron W6WG explained that he would provide details on how to operate the California QSO Party in October (see RF Newsletter). The plan is to operate from home. Ron will select OCARC as a small club (and limit the scores to the top 10 OCARC stations).

### • OCARC Storage Locker Clean-out

Now completely cleaned out. All club equipment has been moved to rented garage in YL of the mother of N6TMT.

### New Business:

- **Location of July and August General Meetings** - Tim N6TMT explained that Red Cross does NOT yet allow organizations to meet in its facility at this time. The Board agreed to hold the July/August General Meetings on ZOOM.
- **DONATION of a Heathkit SB300** – The OCARC has had a Heath SB-300 receiver donated. The board of directors agreed to sell at October Radio Auction, If the Radio Auction is NOT “live”... board may consider a silent auction by e-mail? Best Auction methods are under consideration?
- **Donation for BSA Troop 440?** – The board decided to not make any club donation to Troop 440 (who could NOT attend FD this year for their cooking fundraiser). Instead, the OCARC will organize a fund raiser where OCARC members could make personal donations to the Troop 440.



## GOOD OF THE CLUB

- **Switching to Spectrum Internet** – Ken W6HHC reported he had finally switched to Spectrum internet (200 Mbps) from old ATT DSL service (less than 50 Mbps). This was needed because of the increase use of ZOOM in his house and the increase use of streaming TV. The switch-over worked out great.
- **Bob WB6IXN Turns 91** – Corey KE6YHX reported that Bob Evans (long time net control for OCARC nets) turned 91 years old this month up in Talent, OR.
- **Will Mail Club Badges** – Bob AF6C (the club's "little badge maker") reported that because of the lack of club "real meetings" he will mail badges for new members to their homes.

Submitted by Ken W6HHC, OCARC Secretary

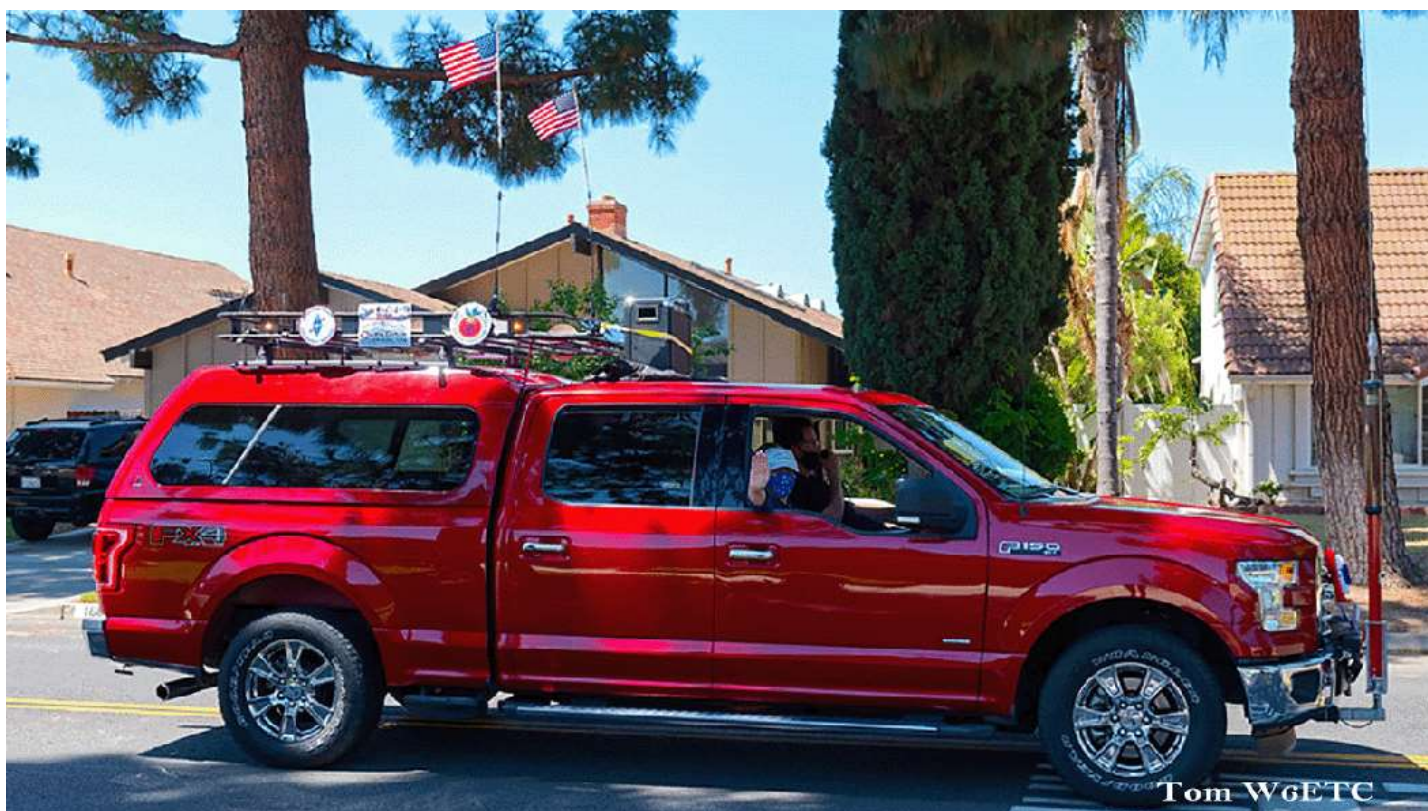
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[Image Left] Tom W6ETC and his wife Sharon were acting safety officials by leading and then ending the Tustin Meadows 4<sup>th</sup> of July Parade.



[Image Below] Signs promoting the OCARC, Catalina Amateur Repeaters Association Net-At-9 and ARES were prominent on the top rack!

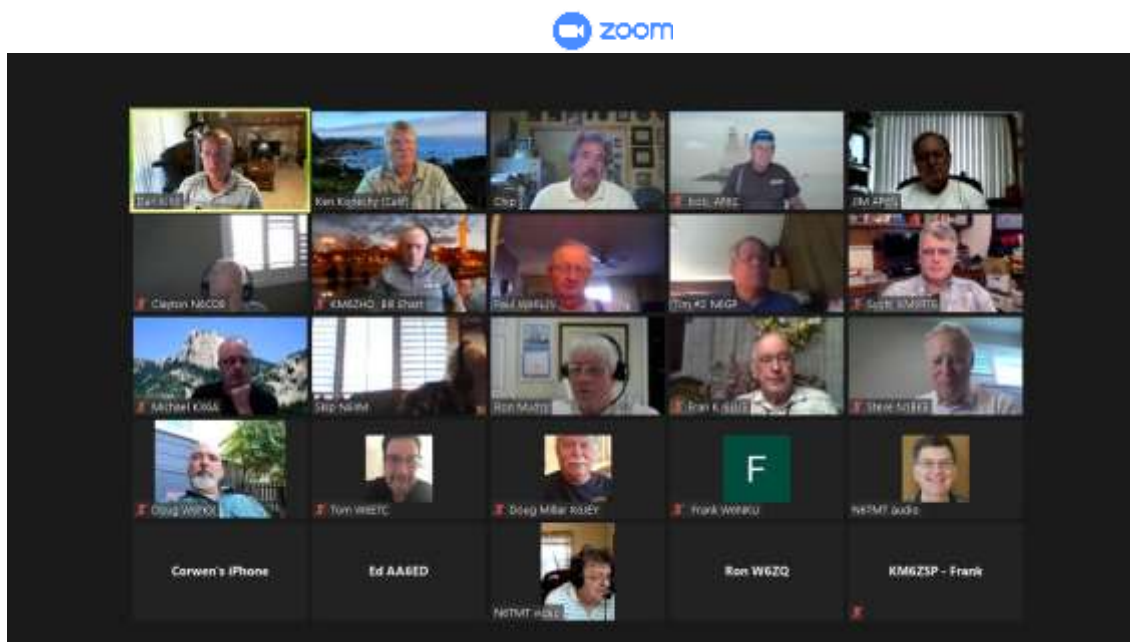


## OCARC General Meeting via ZOOM 2020-06-19

The June OCARC General Meeting was ZOOM via the internet on June 19, 2020.

The meeting was called to order at 7:00pm by Dan KI6X.

There were a total of 34 members and visitors in attendance. There was a quorum of officers, with all directors present, except Greg W6ATB and Vijay KM6IZO. This was the third OCARC General Meeting that was completely conducted using ZOOM (due to meeting restrictions imposed by the Coronavirus).



A typical Screen-Capture of members in attendance during the June meeting.

The majority of attendees could provide video from the home QTH.  
But, while some sent no video, everyone could watch video on ZOOM  
and could hear the audio during the meeting.

### June Program:

Tim N6TMT first introduced Tim Goeppinger N6GP on ZOOM and then Chip Margelli K7JA on ZOOM as the two club program speakers for the evening who talked on:

### **“OCARC Home-Based Field Day Preparations”**

Tim N6GP, the OCARC FD Chairman, who explained that because of the CoronaVirus Pandemic, OCARC could not operate FD at the Knott School site nor have a group gathering to operate Field Day in 2020.

Instead, most OCARC members were encouraged to operate FD from their home stations...with a few members planning to go out in the field as mobile or as a 1-or-2 person portable on a high hill.





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Chip K7JA presented a slideshow remotely via ZOOM to explain how to get ready for Field Day.

### Old Business:

- **General Meetings** - Tim N6TMT, vice president, explained that the July Gen Meeting will be also held on ZOOM video conferencing platform.
- **Summer FD** – FD Chairman Tim N6GP explained that OCARC plans for FD in June are to encourage members to work FD at home. Tim also encouraged members to submit their home FD Scores to the ARRL with club credit going to **Orange County ARC CA**.
- **Raffle of W6ZE Call Letters** – Ken W6HHC won the right to “use the W6ZE call for the Field Day week-end”

### ELMER Questions:

**Repairing a Yaesu Rig** – John Klewer N6AX in Placentia ( 1 (714) 993-0435) was recommended as the best person to repair a Yaesu rig.

**Using Variac on Testing old Switching Power Supply** – Tim N6GP asked about using a variac to test an old Apple II switching power supply. Several hams explained that using a variac does NOT protect the capacitors on an old switching power supply very well...because the switcher keeps adjusting for the low AC voltage. Bob AF6C recommended “just replacing caps in a blown power supply.”

Submitted by: Ken W6HHC, Secretary







## Press Release

LOS ANGELES – QSO? Today host Eric Guth, 4Z1UG, announced that the first QSO Today Virtual Ham Expo will commence on August 8th and 9th, 2020, over a period of 48 hours. This virtual Expo is built on a live virtual reality platform commonly used by Fortune 500 companies and major universities. Attendance is free, and anyone can attend from their home or office.

Eric and his team, including George Zafiropoulos, KJ6VU, have assembled 50+ of the best ham radio mentors in multiple tracks to address this conference from the virtual Expo's auditorium. Icom has taken the lead as the Expo's Platinum Sponsor, along with Gold Sponsors RT Systems, FlexRadio, RFinder, DX Engineering, Elecraft, and GigaParts.

At the Expo, amateur radio operators will be able to:

- Learn from a packed line-up of renowned ham radio speakers such as Ward Silver, N0AX, on Grounding and Bonding; Glen Johnson, W0GJ, on DXpeditions, and John Portune, W6NBC, on building slot antennas for HOA.
- See demos of the latest ham radio equipment from the world's top equipment companies. Attendees can easily ask questions and engage with Exhibitors through video, audio, or chat.
- Share ideas and network with their fellow ham radio operators at any time throughout the Expo.

This platform simulates a full convention experience with an exhibit hall and exhibit booths staffed by live attendants, speaker auditorium, lobby, and lounges.

The virtual Expo also means that the hundreds of thousands of ham radio operators that have never to a 'physical' event can now also participate. Admission is free, and door prizes will be posted to the event's website as they are added.

The QSO Today Virtual Ham Expo will commence on Saturday August 8th, run for 48 hours as a live event, then will be available as an on-demand event for another 30 days.

For more information go to [www.qsotodayhamexpo.com](http://www.qsotodayhamexpo.com)

Press contact: Brad Grob Email: [brad@qsotoday.com](mailto:brad@qsotoday.com) Phone: 213-577-0092

*Submitted by Jim Schultz, AF6N - OCARC Activities*

## OCARC Cash Flow - Year To Date

1/1/2020 through 7/4/2020

Category	1/1/2020- 7/4/2020
<b>INFLOWS</b>	
Auction In, Jan 2020	1,696.25
Cash Box Deposit	140.00
Donation - Michael K6GTE	30.00
Donation - N6GP	20.00
Dues, Family (PayPal) 2020	131.78
Dues, Membership (PayPal) 2020	1,234.01
Dues, Membership 2020	568.83
Refunds Received	15.53
<b>TOTAL INFLOWS</b>	<b>3,836.40</b>
<b>OUTFLOWS</b>	
Auction Flyer Printing	21.55
Auction Payout, Jan 2020	1,359.23
Donations - Red Cross	250.00
Field Day Winter - Tent Rental	130.00
OCARC Historian	29.29
Opportunity Drwg - Monthly Exp	438.71
PO Box Rental	92.00
Refreshments Expense	32.65
Refund paid	7.50
Storage Locker	475.00
Storage of Equipment - Ann Millard	250.00
Supplies	15.85
Web Site Hosting	101.94
Web Site Hosting - PayPal	76.00
<b>TOTAL OUTFLOWS</b>	<b>3,279.72</b>
<b>OVERALL TOTAL</b>	<b>556.68</b>





# MiniTioner-Express

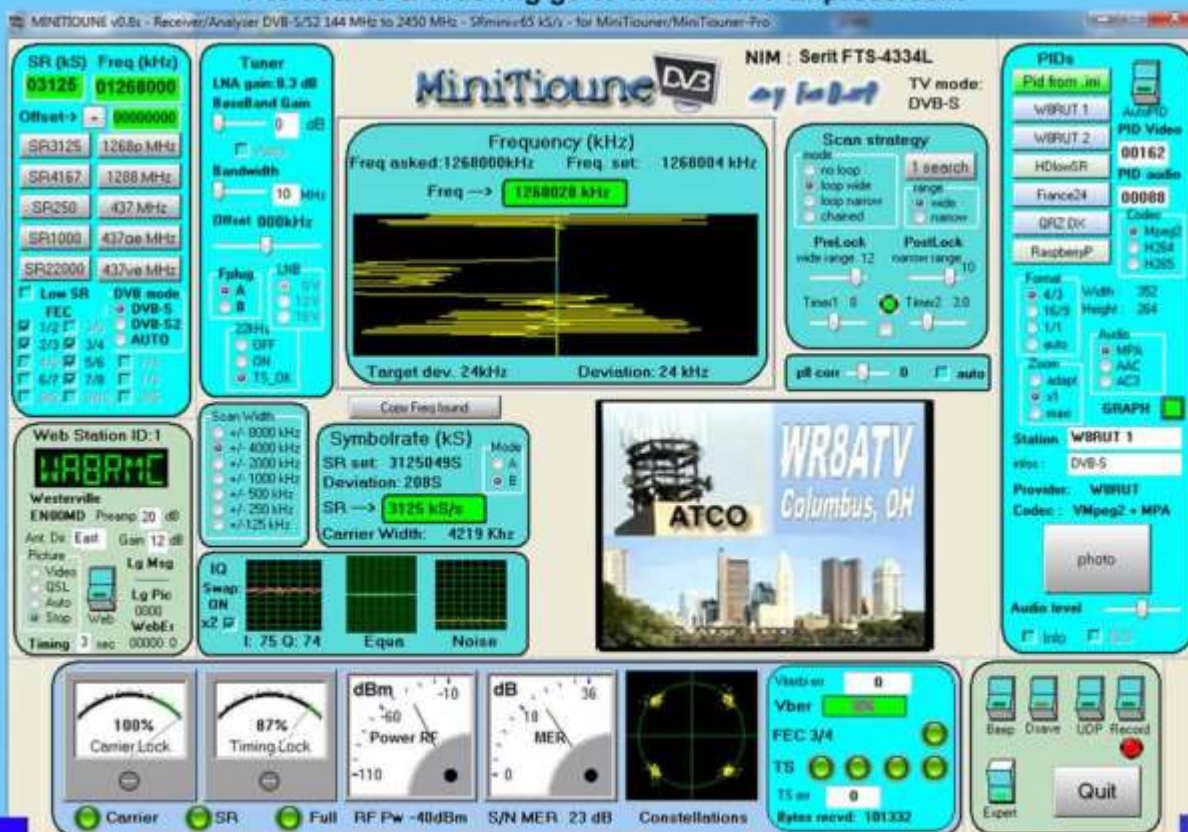
## Digital Amateur Television DVB-S/S2 Receiver / Analyzer



Available at [DATV-Express.com](http://DATV-Express.com)

- Operates with Windows PC using free MiniTione software from Jean-Pierre F6DZP
- Smaller than a stack of 2 decks of cards (picture above is full size)
- Two independent simultaneous RF inputs with internal preamps
- High sensitivity -100dBm @1288MHz – at 1/2 FEC
- Fully assembled/tested in aluminum enclosure
- Covers 144-2420MHz (ideal for Space Station DATV reception)
- Symbol rates from 75 KSymB/s to >20 MSymbols/sec
- Uses external 8-24VDC supply or +5V from USB-3 port (with small modification)
- Real time signal modulation constellation & dBm signal strength display
- Price: US \$75 + shipping – order with PayPal

For details & ordering go to [www.DATV-Express.com](http://www.DATV-Express.com)



(MiniTione display above is the ATCO 1268MHz DVB-S repeater signal at WA8RMC QTH 15 miles away).