



RF



ORANGE COUNTY AMATEUR RADIO CLUB, INC.

VOL. LXIV NO. 11

PO Box 3454, Tustin, CA 92781

November 2023

The Prez Sez...

By Nicholas AF6CF



Hello and Greetings to all!

November is here, so we are in the Club's Elections month, and gearing up for the Holiday Banquet on December 8th. But first, let me report that the October Auction was a big success, with lots of fine equipment changing hands and the Club benefiting from all the action. Many thanks to the generous souls that donated equipment to be sold and to all the helpers like Tim N6GP, Corey KE6YHX, Ron W6WG, Ken W6HHC and all others. We have an outstanding speaker for the November meeting, and after that we will have the elections for next year's Board of Directors. The presentation will be about Radios to Rockets. I'm intrigued about this topic,

and hope we will learn about the equipment set to blast to the unknown-blue-yonder. As every year, the elections committee is feverishly working on a slate, but as per the Club's rules, anybody can be nominated to any position from the floor, so this is your chance to help the Club run its daily business by becoming one of the Directors (or even President). Any current Club member can have any position on the board. As mentioned, the Holiday Party date has been set for Friday, December 8th, at 6 (six) PM, Mark your calendars early so you don't miss it. The cover price will be only \$25, the same as last year with the Club financing the difference to the actual restaurant price. This year we are starting the party an hour earlier because of the restaurant scheduling. We will have great door prizes, including gift certificates, radios, antennas, etc. Please see this newsletter for location and menu. As usual, I look forward to an eyeball contact with you all at the next General Meeting, and expect you to cast your vote for next year's Board of Directors. Remember, "Vox Populi, Vox Dei."

73 DE AF6CF

NEXT GENERAL MEETING

IN-PERSON

**Mark Bender
KD6NOT
Presents**

"Radios to Rockets"

November 17th, 2023, at 7pm

at the

**American Red
Cross**

**Orange County Chapter
Santa Ana, Room 208**

Christmas Party

Friday, December 8th, 6pm

Mimi's Bistro

17231 17th St, Tustin

**Pay by Web Form or RSVP
n6gp@w6ze.org by Dec. 4th**

NEXT BOARD MEETING

Saturday, January 6th, 2024

See www.w6ze.org for more info

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2023 Club Appointments

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n6hc@w6ze.org

John Schroeder, N6QQ
(West Orange Co.)
(562) 404-1112
n6qq@w6ze.org

Monthly Events

Membership Meetings*

Time: 7:00 PM
When: 3rd Friday of each Month
Red Cross Orange County, Room 208
600 N Parkcenter Dr, Santa Ana

Board Meetings

First Saturday of each Month
*Board will handle Club business now
IN-PERSON.*
(No Board Meeting in December)

Club Nets (Listen for W6ZE)

10M ~ 28.375 MHz SSB

Wed- 7:30 PM - 8:30 PM
Net Control: Corey, KE6YHX
Alternate Net Control: AJ, KN6WNO

2M ~ 146.55 MHz Simplex FM

Wed- 8:30 PM - 9:00 PM
Net Control: Corey, KE6YHX
Echolink Node: KK6TRC-L

75M ~ 3.883 MHz LSB

Tue @ 8:00 PM
Net Control: Corey, KE6YHX

Other Nets

**Catalina Amateur
Repeater Association (CARA)**
147.090 MHz (+0.600 MHz) No PL
Monday - Friday
9:00AM & 9:00PM
Prg. Director. Tom W6ETC
COME JOIN US

OCARC 2023 DUES:

*Membership period is:
1 January to 31 December*

Individual New or Renewal: \$30

Family New or Renewal: \$45

Teen New or Renewal: \$15

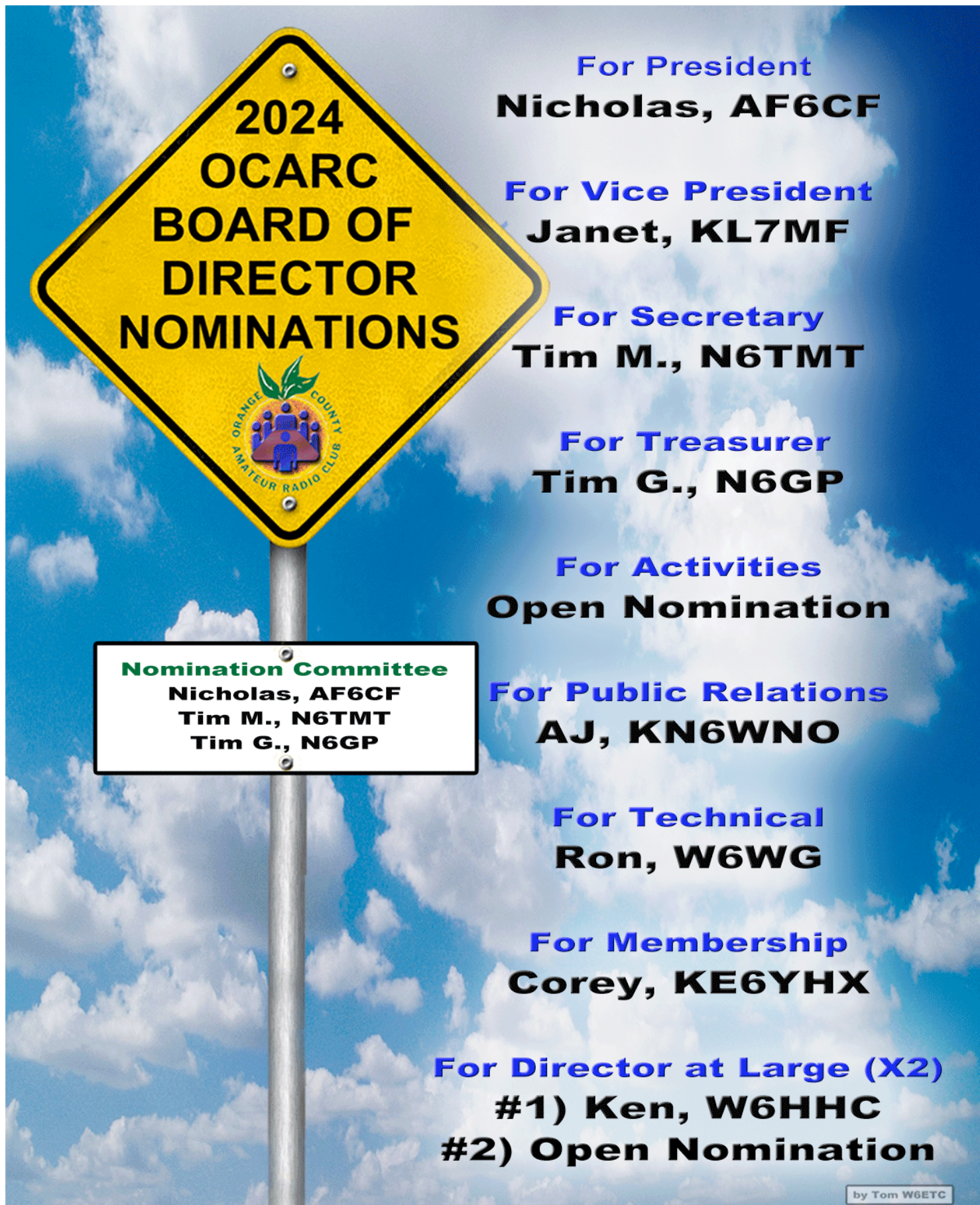
*New Member Dues are prorated
quarterly and includes a badge:*

Additional Badges¹ \$3

Use one of our interactive online forms
to calculate current prices, join, renew, or
order badges:

<https://www.w6ze.org/FormsShortcut.html>

¹ \$3 or less + mailing. See form.



**2024
OCARC
BOARD OF
DIRECTOR
NOMINATIONS**



Nomination Committee

Nicholas, AF6CF

Tim M., N6TMT

Tim G., N6GP

**For President
Nicholas, AF6CF**

**For Vice President
Janet, KL7MF**

**For Secretary
Tim M., N6TMT**

**For Treasurer
Tim G., N6GP**

**For Activities
Open Nomination**

**For Public Relations
AJ, KN6WNO**

**For Technical
Ron, W6WG**

**For Membership
Corey, KE6YHX**

**For Director at Large (X2)
#1) Ken, W6HHC
#2) Open Nomination**

by Tom W6ETC



Date: Friday December 8th, 2023 at 6:00PM

What: OCARC 2023 Christmas Dinner Tickets

Where: Mimi's Café, 17231 17th St., Tustin, CA 92780

Phone: (714) 544-5522



Cost: \$25.00 Per Person

Choose from 3 Methods for Payment:

1) Paying at the Dinner:

If you choose this method of payment, RSVP your number of reserved seats by 6PM Monday, December 4th, 2023 by email to n6gp@w6ze.org and then **BRING YOUR CASH PAYMENT** to the event on Friday, December 8th.

2) Pay by Mail:

If you choose this method of payment, please **RSVP** your seats by email to n6gp@w6ze.org with the number of requested seats and **SEND a CHECK or MONEY ORDER to: OCARC, PO Box 3454, Tustin CA 92781**
(Please **DO NOT SEND CASH** through the mail)

3) Paying by PayPal: **EASIEST**

CLICK on the link below to begin the process of paying by PayPal.

At the bottom of this page, select the quantity of dinners you want to reserve and pay using the pull-down menu (see example on right). Dinner ticket prices are \$25.00 per person. Then **CLICK** on the 'Buy Now' button to be taken to PayPal to complete your transaction.

1 ea Dinner Ticket \$25.00 USD ▾

Buy Now



<https://www.w6ze.org/XMAS/Christmas-Paypal.html>

Tom W6ETC



Mimi's

Magnifique Dinner

\$25.00 per person

Served with your choice of coffee (0 Cal), tea (0 Cal), lemonade (120 Cal) or soft drinks (0-150 Cal).

E N T R É E S

Served with House Salad (190 Cal), Caesar Salad (220 Cal) or a Cup of Soup (200-240 Cal).

Grilled Strip Steak*

28-day aged 10 oz. USDA Choice New York Strip. House-made herbes de Provence butter (100 Cal) available upon request. Served with mashed potatoes and broccoli. (990 Cal)

Grilled Atlantic Salmon*

Grilled to perfection. Served with mashed potatoes and broccoli. (560 Cal)

French Pot Roast

A classique! Slowly braised and simmered with carrots, celery and onions. Served on a bed of mashed potatoes. (510 Cal)

Tuscan Style Grilled Chicken*

Grilled chicken, mashed potatoes, sautéed vegetables and artichoke hearts served in a savory sauce. (610 Cal)

Dessert

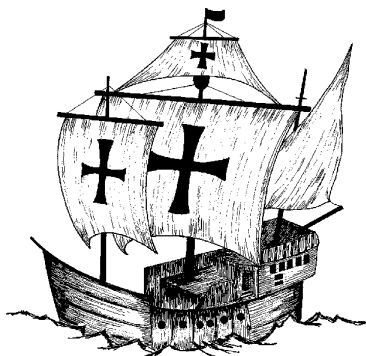
Molten Lava Cake

Hot molten cake served with a scoop of vanilla ice cream and garnished with a drizzle of chocolate and a fresh strawberry. (510 Cal)

Bread Pudding

Made from scratch bread pudding with raisins topped with whiskey sauce and whipped cream. (1060 Cal)

MARK OUR CALENDAR FOR DECEMBER 8th @ 6PM



RadioActivity

November 2023

Upcoming Activities:

NOVEMBER

- ***ARRL Sweepstakes CW:** 2100 UTC Saturday Nov.4 through 0300 UTC Monday Nov. 6.
- **WAE DX Contest, RTTY:** 0001 UTC Saturday Nov. 11 through 2359 UTC Sunday Nov. 12.
- **10-10 Fall Contest, Digital:** 0001 UTC Saturday Nov. 11 through 2359 UTC Sunday Nov. 12.
- **Run for the Bacon QRP Contest, CW:** 2300 Saturday Nov. 19 through 0100 UTC Sunday Nov. 20
- ***ARRL Sweepstakes SSB:** 2100 UTC Saturday Nov. 18 through 0300 UTC Monday Nov. 20.
- ***CQ World Wide DX / CW:** 0000 UTC Saturday Nov. 25 through 2400 UTC Monday Nov. 26.

DECEMBER

- ***ARRL 160 Meter Contest:** 2200 UTC Friday Dec. 1 through 1600 UTC Monday Dec. 3.
- **FT Roundup, FT8/FT4:** 1800 UTC Saturday Dec. 2 through 2359 UTC Sunday Dec. 3.
- **ARS Spartan Sprint:** 0200 UTC through 0400 UTC Tuesday Dec. 5.
- ***ARRL 10 Meter Contest:** 0000 UTC Saturday Dec. 9 through 2359 UTC Sunday Dec. 10.
- **QRP ARCI Holiday Sprints Homebrew Sprint/CW:** 2000 UTC through 2300 UTC Sunday Dec. 10.
- **4 States QRP Group Second Sunday Sprint:** 0100 UTC through 0300 UTC Sunday Dec. 11.
- **RAC Canada Winter Contest:** 0000 UTC through 2359 UTC Saturday Dec.30.

* Indicates club entries are accepted

** Indicates team entries are accepted

Repeating Activities:

- **Phone Fray:** Every Tuesday night at 0230Z to 0300Z.

- **CWops Mini-CWT:** Every Wednesday at 1300 to 1400 UTC, 1900-2000 UTC and Thursday 0300-0400 UTC.
- **SKCC:** Weekend Sprintathon (Straight Key CW) on the first weekend of the month after the 6TH of the month. 1200 Sat. to 2359Z Sunday.
- **SKCC:** Sprint (Straight Key CW) 0000Z to 0200Z on the 4th Tuesday night (USA) of the month.
- **K1USN Slow Speed Test:** (CW, 20WPM Max.) Every Friday 2000 UTC to 2100 UTC Every Sunday night at 0000 UTC to 0100 UTC Monday

OCARC Club Nets:

- **75 Meter Net:** Every Tuesday night at 8:00 pm to 8:30 pm Local Time. SSB 3.883 MHz
- **10 Meter Net:** Every Wednesday night at 7:30 pm to 8:30 pm Local Time. SSB 28.375 MHz
- **2 Meter Net:** Every Wednesday night at 8:30 pm to 9:30 pm Local Time. FM Simplex 146.55 MHz

Other Nets:

- **Net-AT-9:** Wellness & Support
Monday thru Friday 9:00 am
and 9:00 pm Local Time 147.090
MHz (+600 MHz) No PL

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

73, Ron W6WG





Winter Field Day



“2024 Winter Field Day”

January 27th and 28th 2024

(Contest period Saturday 1900 UTC to Sunday 1859 UTC)

Come join the OCARC team for [2024 WINTER FIELD DAY](#). We need everyone to turnout to continue our winning streak and become the highest scoring club for 6 years running.

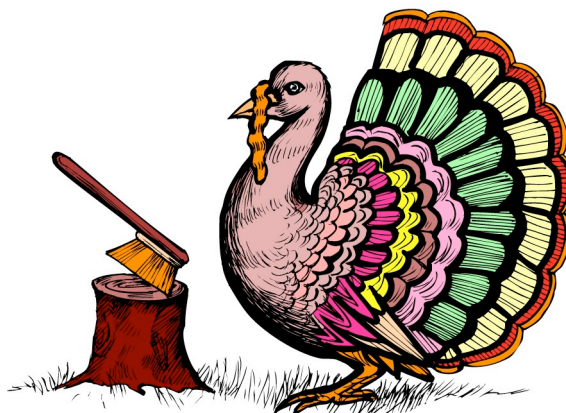
The event will be held at the Ocean View School District site located at 17200 Pinehurst Lane in Huntington Beach. The rules can be downloaded from <https://www.winterfieldday.com>

Bands: 160m, 80m, 40m, 20m, 15m, 10m, 6m, 2m plus UHF and VHF

Modes: SSB, CW, and Digital.

Points are 1 for phone QSOs and 2 for CW & digital QSOs. Multipliers are one for each band/mode contact.

If you are interested and need more information contact Ron W6WG by email, W6WG@W6ZE.ORG



**OCARC Auction Notes
2023-10-20**

Secretary Tim Millard N6TMT read the Auction Rules.

Auctioneer: Nicholas Haban AF6CF

Auctioneer Helpers:

- 1) AJ Ricci KN6WNO
- 2) Ron Mudry W6WG
- 3) Tim Millard N6TMT

Treasurer: Tim Goepfinger N6GP

Treasurer Helper: Corey Miller KE6YHX

The Auction ran very smoothly this year. There was \$1,765.00 in sales with the \$846.10 gain for the club mostly from sale of items donated to the club.

--73, Tim Millard N6TMT OCARC Secretary



**OCARC BOARD MEETING
MINUTES
2023-11-04**

The eleventh Board Meeting of the year was on Saturday, November 4, 2023. The meeting was called to order by president pro-tem, Nicholas Haban AF6CF at 8:20 AM PDT. Eight (8) directors were present for a quorum. The vice president and secretary were absent. Membership chairman Corey KE6YHX is acting as secretary pro-tem. Twenty-one (21) topics were brought to the Board this morning, including four (4) Director Reports, and seventeen (17) discussion items. Two (2) motions were carried, including adjournment.

Director Reports

•President:

-October Auction: Nicholas AF6CF reports the auction went remarkably well. Nicholas commends Tim G. N6GP and Corey KE6YHX on the auction management services they provided, as well as support from AJ KN6WNO. We had a net profit for the Club of \$846.10.

•Treasurer:

-Tim G. N6GP reports our finances are better than a couple months ago. We had total inflows of \$7,260 and total outflows of \$4,635 for a net total of \$2,625 for 2023.

-Tim G. N6GP makes a motion that we put a minimum of \$5,000 into a Wells Fargo CD in January. The motion is seconded, and carries unanimously for the Board Members present at 8:35 AM PDT.

-Our treasurer, Tim G. N6GP, will be absent for the November General Meeting. Tom C. W6ETC volunteers to carry the treasurer briefcase for the meeting.

•Activities: Our activities chairman, Tom W6ETC, sorts-out the prizes for the future year-end meeting opportunity drawings.

-November General Meeting: Tom W6ETC reports on some important donations for the opportunity drawing, and some of them may carry-over to the Christmas Party. Nicholas AF6CF has another potential prize for this drawing.

-Christmas Party: AJ KN6WNO is holder of the Christmas Party opportunity drawing grand prize. He also proposes an HT that can be purchased for this drawing.

-Winter Field Day Plans

A date for the Winter Field Day Planning Meeting needs to be set, and station captains need to be contacted.

•Membership: Our membership chairman, Corey KE6YHX, reports we have one-hundred-and-seven (107) members. Chip K7JA (SK) will remain on the roster until the end of the year.

Current Business

•Newsletter Editors

November:	Corey KE6YHX
December:	Ken W6HHC
January 2024:	Tim M. N6TMT
February 2024:	--open to volunteers--
March 2024:	--open to volunteers--

•General Meeting Programs

The Board discusses future General Meeting programs.

- November: Mark Bender KD6NOT presents "Radios to Rockets."
Corey Miller KE6YHX completes his 90th Anniversary Presentation.
Plus: Club Board Elections
- December: Christmas Party Friday, December 8, 6:00 PM PST
- January: W6KK DXpedition
- February: --to be determined--

•Future General Meeting Zoom Plans

It is agreed to hold Zoom sessions for the General Meetings indefinitely. The Zoom account needs to be renewed, and a board member is planning wireless options for the Zoom sessions.

•Future Meeting Prizes and Show & Tell

Two board members have prospective Show and Tell items.

•December Holiday Party

Plans are on-track for the 2023 Christmas Party.

- Tim G. N6GP discusses reservation payment options with the Board.
- The Club is losing knowledge on how to change the PayPal payment details for the Christmas Party. Ken W6HHC is given the action-item to assist Dan KI6X and Bob AF6C on the procedure to make changes to the PayPal tools, in time for the November General Meeting and the November RF newsletter.

•OCARC Monthly Planner

Bob AF6C discusses the various items that need to be planned every year. One item that needs to be added is our Club Status on the ARRL web site every year. Another is the Club Insurance Policy premium. Tim M. N6TMT has been appointed this task.

•2024 Board of Directors Elections

-Nominations Committee:

Nicholas AF6CF
Tim M. N6TMT
Tim G. N6GP

-Current Board Nominations as of November 5, 2023:

President: Nicholas AF6CF
Vice President: Janet KL7MF
Secretary: Tim M. N6TMT
Treasurer: Tim G. N6GP
Activities: Tom W6ETC
Publicity: AJ KN6WNO
Technical: Ron W6WG
Membership: Corey KE6YHX
Directors at Large: Ken W6HHC, --open to volunteers--

Nicholas passes the Proposed Nominations Slate to the Board for edits.

•Web Page “In Remembrance of”

Web Programmer Bob AF6C af6c@w6ze.org needs write-ups for posting on the new set of “In Remembrance of” web pages.

•Coffee Mugs and Magnets Distribution

Distribution can be made at the General Meeting Opportunity Drawings and the Christmas Party.

•Update ARRL Club Listing

Bob AF6C explains that he does not have access rights to update the OCARC's club listing on the ARRL website. Ken W6HHC will contact the ARRL to add Bob AF6C and Dan KI6X as well as the club president to the ARRL permissions list.

New Business**•No December Board Meeting**

President Nicholas AF6CF puts to the Board plans by tradition to have no Board Meeting in December for the holidays. We all agree and there are no objections.

•Audit Committee for 2023 Finances

The Audit Committee Consists of:

- Activities Tom W6HHC
- Technical Bob AF6C
- Director-at-Large Ken W6HHC
- With Treasurer Tim G. N6GP present.

•OCARC Honorary Members

Approved by the Board are the following--

2024 Honorary Members:

- Jeff Cowart KK6TRC
- Jeff Mikoleit KK6YUP
- Gordon West WB6NOA
- Suzy West N6GLF

•Good-of-the-Club Award

The Board reviews the procedure for the candidates for the Good-of-the-Club Award.

•California Statement of Information

Ken raises the item of business to submit the California Statement of Information for bank access by the end of the year. The Treasurer's Manual has instructions for carrying this out, and December is chosen for this.

Good of the Club

- AJ KN6WNO raises the point of increasing our membership. Options are discussed.
- Ken W6HHC asks about technical information for his coffee maker. Forms of water are described.
- Tim G. N6GP announces an event at the Titan Missile Museum south of Tucson, Arizona. An article for RF is planned.

Adjournment

A motion to adjourn is made, seconded, and carried at 10:19 AM PDT.

--Respectfully submitted by Corey KE6YHX, OCARC Secretary Pro Tempore

For Your Ham Radio Bucket List: Operating from the Titan Missile Museum Discone Antenna

By Tim Goeppinger, N6GP

Late last summer my wife Edna asked me if I wanted to go to a quinceanera (big 15th birthday party) for one of her cousin's daughters in Tucson. I asked when, and she said the last weekend in October, with the main event on Friday night. I remembered that is the weekend of the big CQ WorldWide SSB contest. I usually dabble in it a bit, but for me it ranks a distant 3rd behind the CQWW RTTY and CW contests. I had an idea – what if we combined the trip with a visit to the Titan Missile Museum, with its huge discone antenna, and operate in the contest for an hour or so on Saturday? Maybe other antennas could be brought along for portable use elsewhere in the Tucson area.

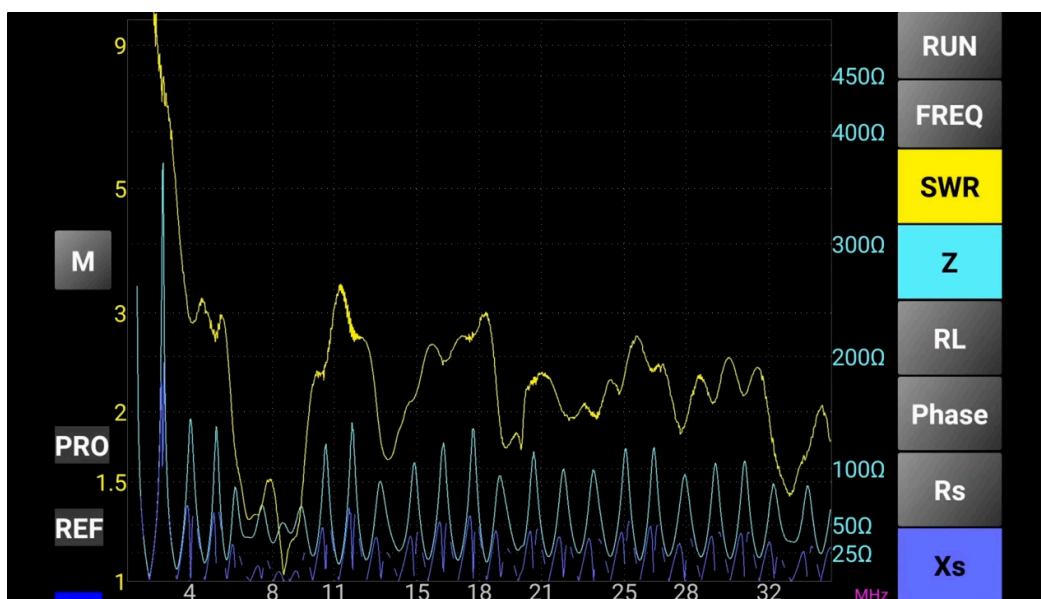


Figure 1 -- KB9RLW Spectrum Plot showing SWR in Yellow

In the weeks prior to our trip, I decided to watch a few Youtube videos about this discone antenna. One excellent one is by Kevin Loughlin KB9RLW video:

<https://www.youtube.com/watch?v=FbJN9QiOuHU>

I was trying to see if I was setting my expectations a little too high for what this antenna can do. I learned that it is essentially a broadband vertical with NO GAIN. KB9RLW's video showed a spectrum plot from his VNA antenna analyzer, that was a little disheartening. Many bands have an SWR of 2 to 3, due to the lack of maintenance on the antenna since its installation in 1963. After seeing this, I decided to bring along my larger Kenwood TS-590SG, which has a built in antenna tuner.



Figure 2 -- N6GP's Wife Edna at the Museum



**Figure 3 -- Control Room.
(Note large spring in background)**

We decided to take the tour of the museum, which is quite a sobering and interesting look into the Cold War era. This site was the only one not demolished, and was allowed to remain for historical purposes under the SALT Treaty with the Soviets. The amount of tax dollars that must have gone into this silo is astounding. 35 feet under ground, the control room was totally isolated from the ground with huge springs. The 760-ton door covering the silo could be opened in 20 seconds. The tour guide walked us through a simulated launch. They had only 3 minutes to fire the missile after they had been given orders. 4 man crews ran the place 24/7 from 1963 to 1987.



Figure 4 -- The Collins Discone Antenna

Following our 45-minute museum tour we returned to the gift shop where they had a special notebook for hams wanting to operate. I signed their log, read the rules, and signed the release waiver. I then exchanged my driver's license for a key that opens the lockbox where the end of the coax is located.

We drove to the part of the parking lot that has this lock box, along with a nice picnic table to operate from. It was a little warm, about 85 degrees, so I put on some sunscreen. I had driven by this site a half a dozen times on the way to Mexico, and I was excited to try this antenna out! I unlocked the box, set up my rig and battery and got on the air.

This antenna was constructed by Collins Radio in 1962 or 1963, and stands 70 feet tall. Originally, it was 2 antennas in one – one part that covers 6 to 30 MHz, the other below 6 MHz. Currently, it is set for the 6 to 30 MHz selection.



Figure 5 -- Tim N6GP on the air

When I first turned on my radio, it seemed that the discone was receiving very well. I could hear Europeans on 10 and 15m phone quite easily. My first QSO was with IR6T in Italy on 15m SSB. It took maybe 3 or 4 calls in the contest pileups to get through, so I certainly was not a big signal. Then worked Cayman Island, followed by Portugal, Spain and Argentina on 10m. I looked at my phone to see if there were any spots for the Russian A25R from Botswana. Saw that they were on 12m FT8. Tuned my rig there, hit the antenna tune button, and I started to call them. After about 4 calls they came back with a -03 report. Switched to 15m and worked them there too. It was

ironic that I worked Russians from a facility that targeted them for destruction a mere 40 years ago.

I draped a QST magazine over my rig to shield it from the direct sunlight. Looked on 17m FT8 to see what was there, and found the German T2C DXpedition on Tuvalu Island in the South Pacific. They were easy to get. After about 75 minutes of operating time, I finished off with QSOs with France and Bonaire on 15m SSB. Like I said before, I didn't feel like a big gun, but this antenna performed very well.

Where else can you drive up with your car, and hook up to a fantastic, historic antenna like this? This is truly a Ham Radio Bucket List experience that everyone should try to experience. It is about an 8-hour drive away from Orange County, and would be a great trip for some of us in the club to take.

I am grateful to the Titan Missile Museum and the Green Valley Amateur Radio Club for providing this unique radio experience to the ham radio community.

Links:

<https://titanmissilemuseum.org/>

<https://www.gvarc.us/titan-missile-museum.html>

<https://www.youtube.com/watch?v=uH9FegYLQYM>

<https://www.youtube.com/watch?v=9gYE6KfvMms>

<https://www.youtube.com/watch?v=okeYauThQAU>

--73, Tim Goeppinger N6GP



Old Navy Blimp Hangar Burns at USMC Helicopter Base Site in Tustin

by
Ken W6HHC and Bob AF6C



**The old Navy Blimp Hanger caught fire in the early morning of November 05 at the deactivated USMACAS(H) base in Tustin.
(photo courtesy of the OC Register)**

For many years, the OCARC operated the summer Field Days at the now deactivated USMCAS(H) helicopter base in Tustin. The Tustin base was originally opened by the U.S. Navy to operate blimps during World War II to hunt for submarines. A couple of our former members, Art Sheldon K7ZE (formerly WA6LHB / AD6B) and Chris Winter (W6KFW) used to work in the hangars when the base was active and the hangars were then used to house the helicopter flight-simulators. In 1973, Art was the one who obtained the “green light from the U.S. Marine Corp” to operate FD on the Helicopter Air Station base for many Field Days. Originally, the OCARC operated FD from the old MARS station area. Later, the club operated FD from the south field near the south hangar. (It’s the north hangar that burned on 2023-Nov-05.) Bob AF6C (then WB6QNU) was the club Prez back in 1973. Art K7ZE now lives up in the Las Vegas area.

Orange County (California) ARC FD Results - 2002 - 2023

W6ZE

YEAR	SCORE	# QSOs	CLASS	FINISH FIELD DAY OVERALL			FINISH SOUTHWEST DIV.			FINISH IN OUR CLASS			FINISH ORANGE SECTION		
				POS.	OUT OF	%	POS.	OUT OF	%	POS.	OUT OF	%	POS.	OUT OF	%
2023	16,441	4,747	5A	10	4,555	0.2%	1	309	1st	1	87	1st	1	61	1st
2022 ²	14,092	4,333	6A	10	4,929	0.2%	1	335	1st	2	33	6.1%	1	62	1st
2021	11,220	3,706	5A	22	5,878	0.4%	1	447	1st	3	66	4.5%	1	103	1st
2020 ¹	Due to COVID pandemic stations operated from home														
2019	8,686	2,246	6A	50	3,112	1.6%	4	228	1.8%	3	37	8.1%	1	39	1st
2018	12,746	3,928	7A	19	2,902	0.7%	1	202	1st	2	20	10.0%	1	52	1st
2017	8,236	2,582	5A	81	2,965	2.7%	4	207	1.9%	8	75	10.7%	1	47	1st
2016	6,242	1,874	4A	139	2,697	5.2%	7	195	3.6%	18	132	13.6%	1	41	1st
2015	10,150	3,391	6A	47	2,720	1.7%	4	197	2.0%	6	42	14.3%	1	44	1st
2014	17,970	5,429	7A	6	2,686	0.2%	1	193	1st	1	17	1st	1	48	1st
2013	21,258	6,859	12A	2	2,548	0.1%	1	170	1st	1	2	1st	1	47	1st
2012	7,684	2,264	5A	118	2,617	4.5%	7	176	4.0%	9	86	10.5%	1	50	1st
2011	6,504	2,110	6A	159	2,632	6.0%	9	179	5.0%	5	37	13.5%	5	49	10.2%
2010	5,936	1,878	4A	175	2,617	6.7%	14	182	7.7%	17	155	11.0%	4	50	8.0%
2009	19,304	5,925	9A	3	2,603	0.1%	1	175	1st	1	9	1st	1	45	1st
2008	11,316	3,265	9A	28	2,409	1.2%	1	161	1st	3	6	50.0%	1	44	1st
2007	20,246	6,217	9A	2	2,331	0.1%	1	157	1st	1	6	1st	1	42	1st
2006	6,278	1,836	4A	161	2,169	7.4%	7	153	4.6%	13	127	10.2%	2	43	4.7%
2005	6,742	1,938	3A	128	2,199	5.8%	11	172	6.4%	22	261	8.4%	2	32	6.3%
2004	5,666	1,792	4A	207	2,242	9.2%	16	152	10.5%	18	129	14.0%	4	41	9.8%
2003	3,350	946	4A	426	2,079	20.5%	29	150	19.3%	36	114	31.6%	6	32	18.8%
2002	4,928	1,517	4A	303	2,099	14.4%	20	139	14.4%	33	139	23.7%	4	42	9.5%

NOTES: 1) Club totals are not available in database. de AF6C
 2) Updated 5/1/2023



Cash Flow

1/1/2023 through 11/1/2023

11/3/2023

Page 1

Category	1/1/2023- 11/1/2023
INFLOWS	
Auction In	1,765.00
Badge Income	3.00
Badge Income (PayPal)	3.00
Donation	2,200.00
Donations - FD	30.00
Donations - FD Food	590.00
Dues, Membership (PayPal) 2023	1,410.00
Dues, Membership (Paypal) 2024	180.00
Dues, Membership 2023	697.50
Dues, Membership 2024	30.00
Opportunity Drawing -Monthly	352.00
TOTAL INFLOWS	7,260.50
OUTFLOWS	
Anniversary Party Food	207.80
Auction Payout	918.90
Christmas Drawing Prizes	229.50
Field Day - Propane	38.66
Field Day Food	875.31
Field Day Rental - Tent	215.00
Guest Speaker Meal - Exp	196.52
Historian Expenses	289.33
Opportunity Drwg - Monthly Exp	293.37
PayPal Fee	85.24
PO Box Rental	166.00
Propane Tank	61.30
Refreshments Expense	60.66
Secretary of State	5.00
Storage of Equipment - Ann Millard	250.00
Web Site Hosting	259.99
WFD - Propane	47.39
WFD Flowers	30.00
WFD Rental - Tent	150.00
Xmas Party Expense	300.00
ZOOM subscription	-44.97
TOTAL OUTFLOWS	4,635.00
OVERALL TOTAL	2,625.50



The **ORANGE COUNTY AMATEUR RADIO CLUB, INC.**

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