



RF



ORANGE COUNTY AMATEUR RADIO CLUB, INC.

VOL. LXII NO. 04

P.O. BOX 3454, TUSTIN, CA 92781

April 2021

The Prez Sez...

By Nicholas AF6CF



Greeting and Disillusions!

Happy April First

Because of the Virus, for the month of April we will not have many fun activities, like the Visalia Ham Radio convection. Also, the Vaker to Begas activity was cancelled for 2021 because of the pandemic. Even Tax Day on the 15th has been postponed and the daily earthquakes and lost planes are not happening. However, we will have yet another excellent brand-new program about bouncing waves by Whiskey Seven Great Journey. A moonshot is a long shot, if you ask me. Maybe you are not aware, but Field Day is around the corner with only a couple of months to prepare. We hope to have some Ham Online Operating classes to refresh

everybody's mind on the operation of RF producing equipment, so us low skill operators learn the "ropes" of proper Field Day operation. Due to the uncertainty, this year we are slow to start the preparations but I'm pleased to announce that we have two candidate sites that we are trying to secure and we are trying to select the best location for the effort. And we plan to invite other organizations to join our effort, so as soon as the site is secured, we'll start an aggressive campaign to recruit volunteers. We have Band, Food and Premises Captains positions and as usual we are in conversations with the higher powers to send us good propagation and sky waves. Even if you or a spouse or a friend doesn't have an Amateur Radio license, you can still come and operate, as our FCC licensing is both a station and operator permit. So do it during our Field Day activities, as we will have eager-to-assist operators during the activities. In closing, I wish everybody many happy returns on the 15th and hope to see you all at the next virtual meeting.

74,
DE AF6CF

NEXT MEETING

March 19th, 2021

Join us Via ZOOM at 7:00PM!

Current OCARC members
will receive an EMAIL with
instructions. Early check-in
available 6:30 PM(+/-)

Guest Speaker:

Lance Collister, W7GJ
6M EME DX-peditions

SPECIAL NOTICE:

During the COVID-19
pandemic ALL OCARC Nets
will Remain Active!
See page 2.

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

***See ZOOM announcement pg.1**

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

**** Board will handle Club business by ZOOM at this time**

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

Tue @ 8:00 PM **(UPDATED!)**
Net Control: Corey, KE6YHX



Wellness & Support Net

Outside Nets: CARA REPEATER

147.090 MHz (+0.600 MHz) No PL

Monday - Friday

9:00AM and 9:00PM

NCO & Prg. Director. Tom W6ETC
NCO: Jeff: KK6TRC, Don W6ZZW,
Chris KF6LEX

OCARC 2021 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 Badges: • \$ 3.
Use one of our interactive online forms to calculate current prices, join the club and/or order badges:

Online Forms / Dues & Badges

• \$3. plus mailing costs if applicable
Dues are subject to change without notice

Heathkit of the Month:
by Bob Eckweiler, AF6C**MISCELLANEOUS****April Fool's is on Me.****Introduction:**

Well it's April, and I had planned to present one of Heathkit's more arcane kits (is "arcane" ever an 'almost' appropriate word). However, I got fooled myself. I did a lot of research and got four or so pages into the article. Stuff like dates of manufacture, and general information that I could find out of the catalogs and online, all while waiting for a manual I had ordered to come in the mail. That was in mid-March and alas it's now one week into April and no manual yet. And thus no article.

I've been writing these articles as a hobby and without any compensation, except when someone forwards me a catalog or manual (though I usually cover their postage expenses). However, since this was going to be a special article, I blew my budget and ordered

the manual from the new Heathkit (about \$40 with shipping and CA tax).

I had ordered manuals from the new Heathkit before for kits I have acquired and for which I had no manual. The manuals are copied to order from original manuals and thus are complete and include the illustration booklet. They are nicely spiral-bound and usually very clean.



After the manual didn't arrive in a week, I inquired as to the status, fearing it got lost in our deteriorating postal system. In reply to my inquiry I was told by the person in charge of the manuals that he was having trouble finding the illustration booklet, which must have been misfiled. He says he knows he has the

original, as he has copied it before. He is still looking.

Without the manual it would be hard to write anything informative, as I'm not very familiar with the actual kit.

So what is the kit to be covered by the article? I gave a clue last month, and there is hidden in this text another clue. I still want it to be a surprise.

When (and if) I get the manual, I'll finish the article and put it up on the website directly. Whether it gets published in there RF Newsletter we shall see.

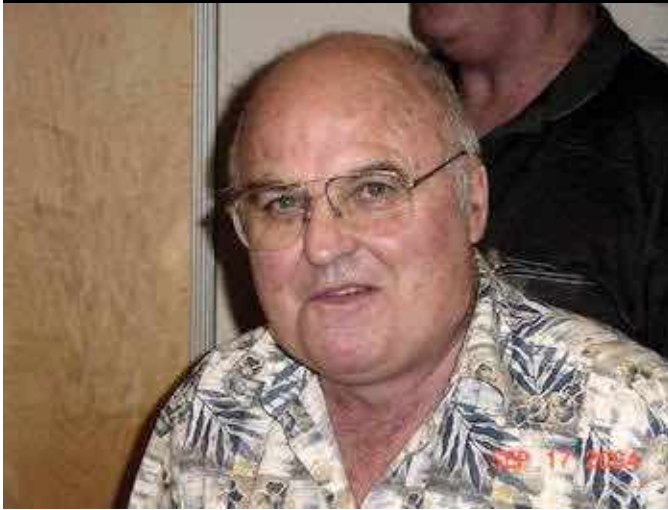
Here is a link to the index of Heathkit of the Month (HotM) articles:

http://www.w6ze.org/Heathkit/Heathkit_Index.html

73, from AF6C



Robert L. Tegel KD6XO sk 1944 - 2021



Bob Tegel - KD6XO at the 2004 OCARC Club Reunion at the Red Cross meeting hall.

As briefly mentioned in last month's "RF" longtime member Bob Tegel KD6XO became a silent key on March 2nd. due to complications after surgery.

Bob received his Technician class license in 1978 and joined the OCARC in early 1979. At that time he held the call WD6DPK. Bob quickly upgraded, first to General class in 1979 and then to Advanced class in early 1981. Shortly after that he received his new call KD6XO.

Bob became very active in the club, holding board positions, some multiple times, of Director at Large, Membership Chairman, Secretary and Vice President. He was also active in our Field Days, often bringing his camper for use as an operating position. He was a Field Day band captain for the first time in 1981 for the 80/15 meter operation, a position he held for other bands numerous times. He also was one of our members who took on the responsibility of editing our "RF" newsletter. He was a frequent attendee of our

monthly breakfast and often attended the end of the year holiday party with his wife Barbara.

Bob and Barbara both worked for the USPS, Bob later moving into a management position within the motor-pool. They both were also involved in the sport of 'combined driving' (an equestrian sport involving carriage driving). The combined driving events required large venues and Bob and Barbara saw an opportunity for amateur radio to provide vital communications for the yearly non-profit California Classic combined driving event. From 1987 to 2000 members of the OCARC, under Bob's leadership, supported the events relaying timing, scores, and safety information back to the scoring center from over the many acres the venue covered. Over the year these events were held in Palos Verdes, Coto de Caza, and in San Bernardino County. In 2001 the California Classic was moved to Northern California, ending a contest enjoyed by those many club members who provided communications.

Bob remained a member of the club for just under a third of a century, when age and family took preference. He has been and will be continued to be missed.



Bob Tegel - KD6XO (with microphone) racks up contacts on the 15 meter band while Paul WB6FMX logs the contacts on the laptop



Bob Tegel (right) at the 15 meter Field Day operating position inside Bob's Camper. This was the year the club operated from Yucca Valley (1999).



Barbara and Bob Tegel attending the Club's 2000 Holiday Party at Mimi's Café in Fountain Valley.



"Two-in Hand" competition at the 1999 California Classic combined driving event at Ernie Howlett Park in Palos Verdes, CA. An event Bob and his wife helped plan and participated in. Bob saw the value of having radio amateurs from the club provide communications between judges and the scoring booth as well as providing rapid notification should an accident occur.





UPCOMING ACTIVITIES

APRIL

- **ARRL Rookie Roundup SSB:** Sunday April 18, 1800 UTC through 2359 UTC.
- **10-10 International Spring Contest/Digital:** 0001 UTC Saturday April 25 through 2359 UTC Sunday April 25
- **Helvetia Contest:** 1300 UTC Saturday April 24 to 1259 UTC Sunday April 25

May

- **7TH Call Area QSO Party:** 1300 UTC Saturday May 1 through 0700 UTC Sunday May 1
- **10-10 International Spring Contest/CW:** 0001 UTC Saturday May 1 through 2359 UTC Sunday May 2
- ***CQ World Wide WPX Contest/CW:** 0000 UTC Saturday May 29 through 2359 UTC Sunday May 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:

- **Georgia QSO Party:** : 1800 UTC Saturday April 10 to 0359 UTC Sunday April 11 and 1400 to 2359 UTC Sunday April 11
- **New Mexico QSO Party:** 1400 UTC Saturday April 10 to 0200 UTC Sunday April 11
- **North Dakota QSO Party:** 1800 UTC Saturday April 10 to 1800 UTC Sunday April 11
- **Michigan QSO Party:** 1600 UTC Saturday April 17 to 0400 UTC Sunday April 18
- **Florida QSO Party:** 1600 UTC Saturday April 24 to 0159 UTC Sunday April 25 and 1200 to 2159 UTC Sunday April 25
- **7th Call Area QSO Party:** 1500 UTC Saturday May 2 to 0300 UTC Sunday May 3
- **Indiana QSO Party:** 1500 UTC Saturday May 1 to 0300 UTC Sunday May 2
- **Delaware QSO Party:** 1700 UTC Saturday May 1 to 2359 UTC Sunday May 2
- **New England QSO Party:** 2000 UTC May 1 Saturday to 0500 UTC Sunday May 2 and 1300 UTC to 2400 UTC Sunday May 3
- **Arkansas QSO Party:** 1400 UTC Saturday May 9 to 0200 UTC Sunday May 9

Ongoing Activities:

- **Super QP Challenge:** Year Long Event
0000 UTC Jan. 1 to 2400 UTC Dec. 31

Repeating Activities:

- **Phone Fry** Every Tuesday night at 0230Z to 0300Z
- **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.
- **CW ops** Every Wednesday 1300 UTC to 1400 UTC 1900 UTC to 2000 UTC and Thursday 0300 UTC to 0400 UTC
- **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:

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

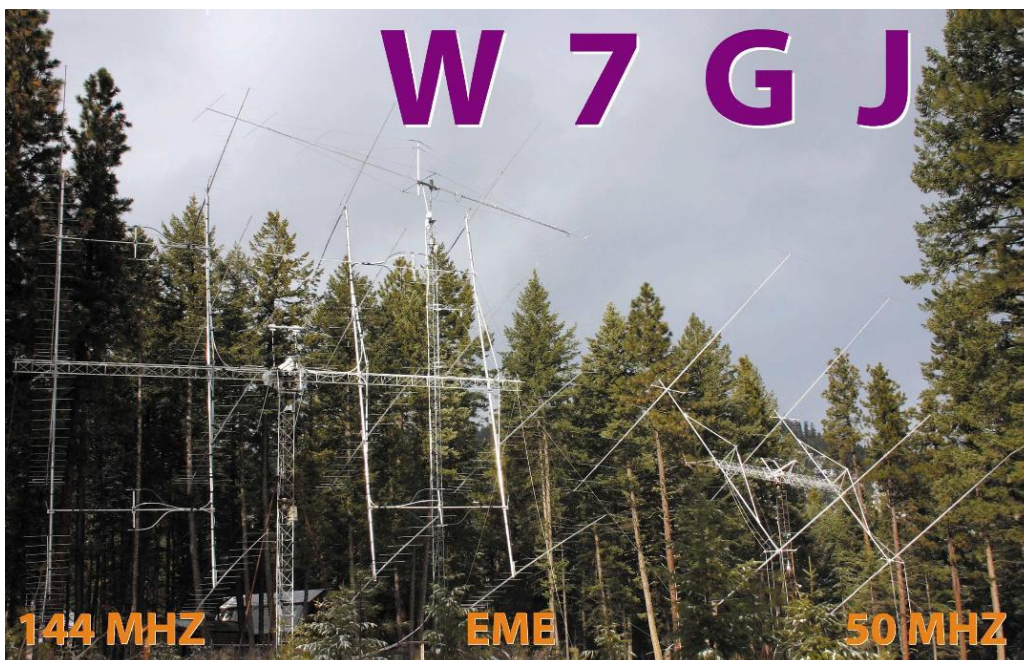
Other Nets:

- **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.

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Here's a sample of what's in store for us when we attend the April OCARC meeting. Lance Collister will speak about operating using EME and include comments about his upcoming trip this fall operating as FO/W7GJ in grid square BG37. The picture below is from Lance's website. In his QRZ home page Lance explains that $\frac{3}{4}$ of his total DXCC contacts on 6m have been made using EME.





OCARC 2021 Field Day

June 26 & 27

We are hoping to return to a “normal” Field Day this year. The Field Day site is yet to be determined. The site will either be at Walter Knott Education Center in Buena Park or at the Ocean View School District Office site in Huntington Beach.

The fun of the Field Day operations cannot happen without support in setting up and dismantling of the site. Three work parties are necessary to support OCARC’s effort:

Work Party 1. Thursday June 24 beginning at 4:30pm we will load the site equipment into trucks for transport to the Field Day site. This normally takes approximately 2 hours.

Work Party 2. Friday June 25 the equipment will be on site and we will erect towers, antennas, and band stations. This effort requires a great deal of help. As an example; raising one of our 50’ towers requires approximately 12 members to do it safely. We may have multiple towers to erect plus the individual antennas and tents. We are considering two large tents similar to the one we use at Winter Field Day.

Work Party 3. Sunday the 27th Field Day officially ends at 11:00 am and dismantling of the site will begin immediately thereafter. Again, we will need approximately 12 members just to lower the towers. The dismantling and loading of trucks normally finishes by approximately 2:00 pm.

We can’t stress enough the need for member support in these efforts. Please show up and volunteer to help as much as you can with any or all of the work parties. Any help is very much appreciated.

OCARC GENERAL MEETING MINUTES 2021-03-19

Due to the restrictions on social gatherings with the pandemic, the third General Meeting of the year was via Zoom on Friday, March 19, 2021. The meeting was called to order by our president Nicholas Haban AF6CF, at 7:01 PM PDT. There were thirty (30) members, guests and visitors present, including our speaker.

•Pledge of Allegiance

The meeting begins with the Pledge of Allegiance.

•Meeting Presentation

Nicholas introduces a member attendee, Ron Cade W6ZQ, an OCARC ex-president from Arizona. Our vice president, Tim G. N6GP introduces our speaker, Scott MacGillivray KM6RTE an OCARC member, and summarizes his many accomplishments. Recently, Scott has been giving tutorials to OC HEART, an ARES hospital group, on how to use Winlink for emergencies.

Overview of Winlink for Emergency Communications

Presentation to:



Scott MacGillivray
KM6RTE@Gmail.com

March 19, 2021

Scott MacGillivray, KM6RTE

Version: v1

Fig 01 - Scott KM6RTE presented an introduction to the Winlink software

Scott tells us Winlink is a versatile, free PC software program, available online, and has abundant email capabilities. Winlink is used by many government agencies from the federal, all the way down to local governments, as well as non-government organizations such as SHARES. It is a radio bridge for emergency email capability.

Winlink Architecture

- Representative System Architecture and Interconnectivity

Scott MacGillivray, KM6RTE

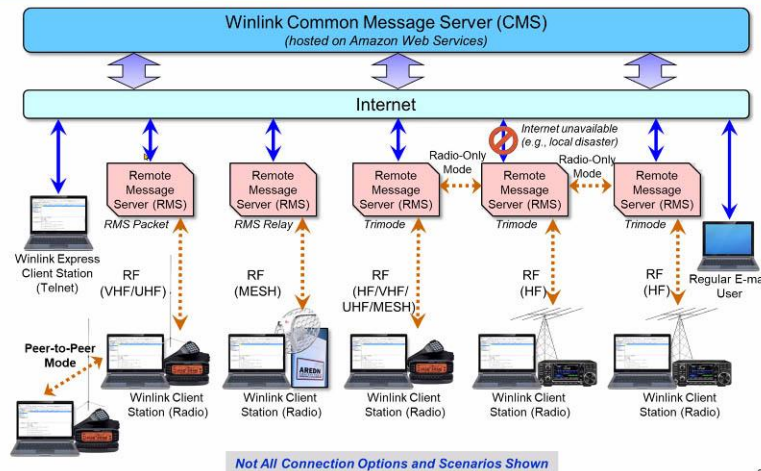


Fig 02 - A Block Diagram of how Winlink stations can be used to send/receive messages with other EmComm stations, either with or without internet capability.

The attendees have several questions, and Scott demonstrates the Winlink software itself. Nicholas AF6CF and Tim G. N6GP express our appreciation for his time and expertise.

•Business Meeting

The Business Meeting was called to order by our president, Nicholas AF6CF at 7:56 PM PST. Nine (9) Board members were present for a quorum. The technical chairman, Steve N1BKB, was absent.

Nicholas introduces two visitors, Arland "Craig" Miller W6ACM and John Stanford KF6I; one new member, Jim Williams KB6TKA; and two other members, Robbie Robinson KB6CJZ, and Phil Drago K6PAD. John KF6I joins the Club before the end of the meeting.

Nicholas explains our improving Field Day situation and calls for director reports.

•Director Reports

-Vice President Report: Tim G. N6GP reports on ARRL Field Day 2021. Our plans are favoring the Ocean View site this year. Our Walter Knott contact is waving us off until the end of the month. Ron W6WG is negotiating with our Ocean View School District contact.

•General Meeting Programs

April: Lance Collister W7GJ, on "DXpeditioning with 6 Meter EME"

May: Marty Woll N6VI on "DXpedition to Mauritius Island 3B8"

-Treasurer Report: Ken reports catching-up with our membership dues. Many renewals have come in since the membership chairman sent a very effective email to un-renewed members. Our month's revenues amount about \$1,700, with few expenses.

-Secretary Report: Corey KE6YHX reports on the new mail from the Club post office box that was collected this Thursday.

-Historian Report: Corey KE6YHX reports a purchase of M-Discs for the Club Archives that was reimbursed for by the treasurer.

-Membership Report: Bob AF6C reports our membership is at 96 renewals and new members for 2021, excluding one (1) recent one. There are 26 former members who have not renewed for 2021.

-Activities Report: Ron W6WG added two more items to the Radioactivity column in the Club RF Newsletter. One for the Club Nets and the Net-at-Nine, and one for the many state QSO parties.

-Public Relations Report: Tom W6ETC tells us of the Net-at-Nine, and offers an invitation to the attendees. A large portion of the check-ins are OCARC members, and OCARC is often referred-to.

-Director-at-Large Report: Tim M. N6TMT tells of the ARRL Frequency Measuring Test in April on page 80 of the April ARRL QST Magazine. Nicholas, Bob, Dan and Tim M. discuss the practicalities and members who have such capabilities.

•Discussion

Nicholas provides a perspective on the upcoming Summer Field Day.

•Ask the Elmer

Doug W6FKX is building a “fan dipole,” and asks if anyone has put one up and if there are any thoughts or recommendations about such an antenna. Dan KI6X explains its configuration, construction, and operation. Bob AF6C recommends a 1:1 balun or “line isolator.” Nicholas tells us of the Alpha-Delta DXCC Multiband Fan Dipole.

•Good of the Club

Bob AF6C requests an image for the front page of the Club web site.

Tom mentions the Pacificon Hamvention on October 15-17, 2021, and the Yuma Hamfest and Dayton Hamvention, both coming next year.

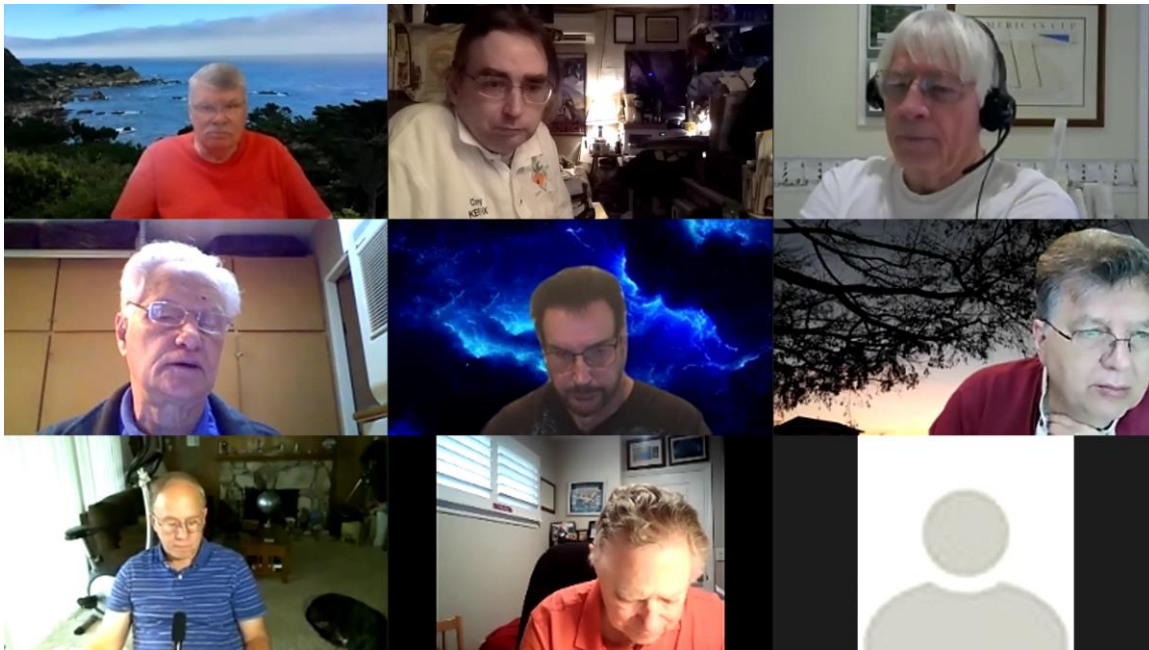
•Adjournment

A motion to adjourn was made, seconded and carried at 8:51 PM PDT.

--Respectfully submitted by Corey KE6YHX OCARC Secretary.

OCARC BOARD MEETING MINUTES 2021-04-03

Due to the COVID-19 restrictions on physical gatherings, the February Board Meeting was via Zoom on Saturday, April 3, 2021. The meeting was called to order by our president Nicholas AF6CF at 8:16 AM PDT. Seven (7) directors were present for a quorum, two (2) directors were late, Tom W6ETC and Tim G. N6GP, and there were no visitors. Bob AF6C was absent. There were seventeen (17) topics brought to the Board this morning, one (1) motion lost, and one (1) motion carried, adjournment.



•Director Reports

Our Vice President Tim G. N6GP is at a remote location in travel.

-Secretary Report:

Corey KE6YHX reports on the Club mail collected yesterday. One dues payment is an incorrect amount, and our treasurer, Ken W6HHC, has taken it as an action item to contact the person regarding this.

-Treasurer Report:

Ken W6HHC presented the monthly Cash Flow Report. Ken reports an approximate increase of \$1,600 in net income. The Wells Fargo account has about \$3,300 and the PayPal account has about \$3,100. Net assets are in excess of \$6,500.

-Activities Report:

During the ARRL Sweepstakes Contest, Ron W6WG turned in his scores with the Club name. Doug and Peter put in scores also, but two of the three had errors. There were grid square discrepancies and Peter was not on the list, so the lists were rejected. Ron asks if he should redo the list and resubmit it to the ARRL. Nicholas says it should be okay.

-Public Relations Report:

Tom W6ETC and the Board discuss the publicity flyers for a major vendor.

•Old Business

•Newsletter Editors:

April: Steve N1BKB
 May: Corey KE6YHX
 June: Greg W6ATB
 July: Nicholas AF6CF

•General Meeting Programs:

April: Lance Collister W7GJ on "DXpeditioning with 6 Meter EME"
 May: Marty Woll N6VI on "DXpedition to Mauritius Island 3B8"
 June:--tentative--

•Hybrid Meetings:

Tim G. N6GP has it as an action item to contact the American Red Cross.

•ARRL Field Day 2021:

Field Day co-chairman, Ron W6WG has the band captain and equipment spreadsheet. Field Day co-chairman, Tim G. N6GP spoke with the providers for 20m 15m and 10m. Tim calls for a member inquiry regarding participation. Newsletter editor, Steve N1BKB requests materials for RF. Ron is negotiating the Ocean View School District site. The Board discusses the towers and food provisions. Separate provisions for each band are advisable under the COVID-19 protocol. Corey KE6YHX may have a windmill generator to test at Field Day, and the stakes he needs are available at Home Depot, says Tom W6ETC.

•Net Activity Report:

Corey KE6YHX reports the attendance counts for the Coronavirus Net, and last Wednesday's 2M Net. The former has an average of 2.56 attendees for March and the beginning of April. The latter had 10 attendees. As a matter of convenience, and upon request of a regular Net check-in, Corey moves the 75M Net to Tuesdays at 8:00 PM PT, with no objections from the Board.

•Club Web Page Status – Front Page Images:

Ken W6HHC says a photo that showcases the OCARC is needed for the front page of the Club web site every month.

•Donations:**-Tegel SK:**

Bob AF6C and Steve N1BKB will lead the move of equipment in early April.

-Glidewell SK:

The Board discusses the equipment removal procedures at-length. The time for equipment removal is the second week in May, and no other time is permissible. All the equipment needs to be removed, and any time of day is allowed. In addition to the indoor equipment, there are VHF and UHF antennas mounted to the eaves. Finding a storage location is a high priority. Steve N1BKB agrees to make an inventory of the equipment, and Corey KE6YHX tells Nicholas the highest resolution images are needed.

•New Business**•Contact other clubs for joint FD effort:**

Nicholas AF6CF gives an overview of this topic. Our COVID-19 protocol may restrict this plan. Provisions of sanitizing stations and social distancing may make it more admissible, and release signatures may be helpful. We also may need to coordinate inter-club relations in advance.

•Monthly Opportunity Drawings:

Nicholas says we used to have opportunity drawings, and we should reintroduce them. The Board decides logistics under the pandemic may make this difficult, and it is no longer an attendance incentive. By show of hands, this activity is rejected under the circumstances.

•Good of the Club

-Corey KE6YHX wrote a page for our web site for Ham Radio equipment repairs. A motion to include the top paragraph of the page on the web site for equipment repairs is made and seconded, but the Board feels it is best negotiated with our web master, and the motion is lost. Corey agrees to Steve N1BKB's suggestion for a one-liner directing equipment repair needs to the technical chairman.

-Ken W6HHC reports the Baker-to-Vegas race is “on” for April 9-10, 2022.

-Ken also reports he recently has permission from “the boss” to put up an HF antenna on his property.

•Adjournment

A motion to adjourn was made, seconded, and carried at 9:51 AM PDT.

--Respectfully submitted by Corey KE6YHX, OCARC Secretary.

OCARC CASH FLOW – Year to Date (as of 2021-03-31)

INFLOW

Badge Income	1.64
Dues, Family (PayPal)	129.50
Dues, Membership	330.00
Dues, Membership (PayPal)	1,471.60
Dues, Membership (PayPal) 2022	57.66
TOTAL INFLOWS	1,990.40

OUTFLOW

OCARC Historian	97.91
Web Site Hosting – PayPal	57.00
ZOOM Subscription	149.90
TOTAL OUTFLOWS	304.81

OVERALL TOTAL	1,685.59
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ASSETS:

Wells Fargo Checking	3,318
PayPal Account	3,190

I hope the OCARC membership (and guests) have checked-out some of the linked pages on the W6ZE.COM website. You will find many interesting items around. From the home page, near the bottom of the menu, you will find a page called “Items of Interest.” This page was getting a little busy so I took on the task of updating it and removing stale items. You will find technical articles, club history, club equipment information, and even “ham” recipes. Hopefully more interesting stuff can find a home there as appropriate. Check it out when you get a chance and check some of the other pages too. A lot of work has been put into the site mostly by Ken W6HHC, Bob AF6C over many years.

Dan Violette, KI6X

MiniTiouner-Express

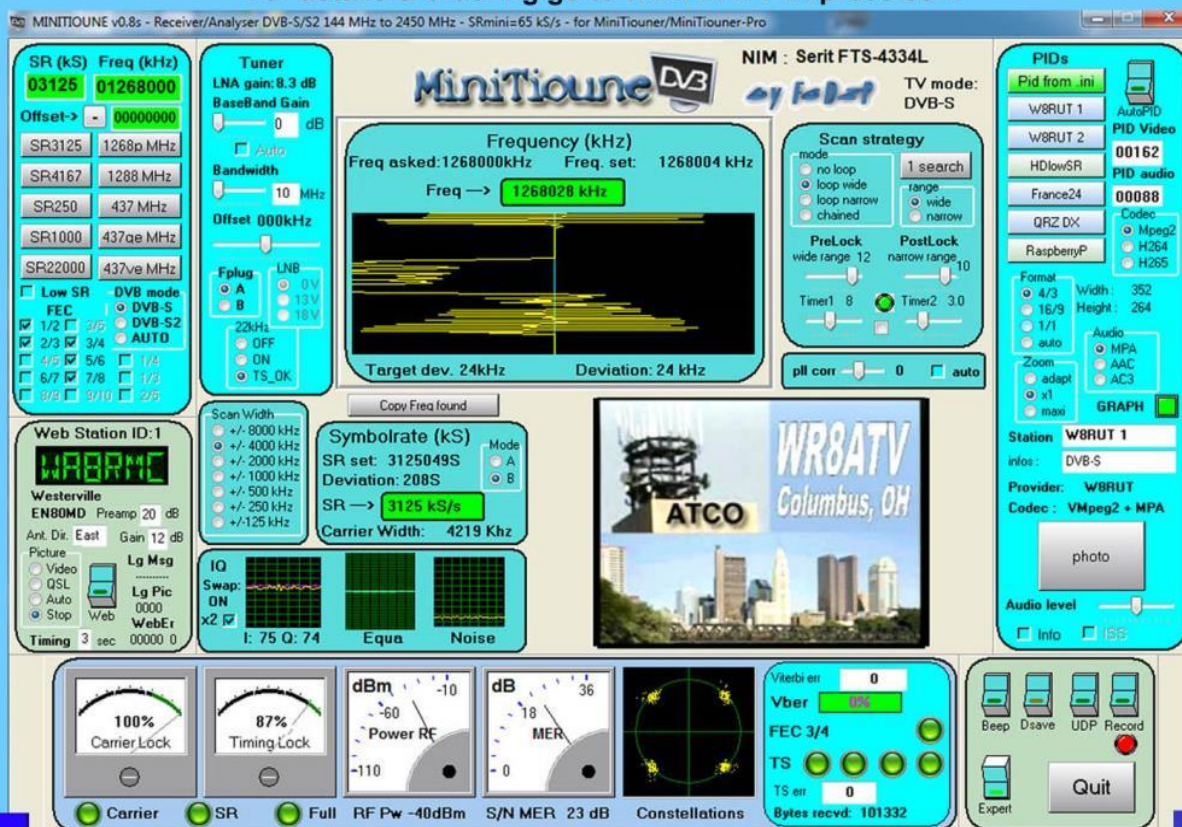
Digital Amateur Television DVB-S/S2 Receiver / Analyzer



Available at DATV-Express.com

- Operates with Windows PC using free MiniTioune 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



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