



RF



ORANGE COUNTY AMATEUR RADIO CLUB, INC.

VOL. LXI NO. 11

P.O. BOX 3454, TUSTIN, CA 92781

November 2020

The Prez Sez...

By Dan KI6X



We are winding down the year with our 2021 OCARC Board elections being held at this month's meeting. Make sure you look at the Board recommended/approved list of candidates in this RF. We will be taking nominations from the floor for any other candidates. Offices with only one candidate and no additional nominations, can be simply approved on the Zoom meeting with a show of hands (or verbal on phone). We have various ideas to hold a Bylaw approved vote if we have a contested position (see nomination article).

Keep reading through your emails from OCARC throughout the rest of the year. We cancelled the December Dinner but are thinking about having some kind of get-together and/or possibly a December membership meeting which we normally do not do. Also, since we do not normally have a meeting in December but only the dinner, the deadline for the December RF

newsletter is later in the month and may not be out before the additionally scheduled meeting. Therefore, email will be the method of information dissemination.

It has been tough scheduling club activities outside the regular meetings through this Pandemic period but we have had some motivated Board members. You will note we will be having a club effort for Winter Field Day the end of January. It would be handled somewhat similar to ARRL Field Day and would be a club aggregate score as ARRL FD, and the California QSO Party also were for us. Plan to participate no matter how small.

Keep mentioning OCARC to your friends. We do have over 100 members so our club has been vibrant. Give your friends the link to the website (www.w6ze.org). We keep a pile of flyers at HRO and also have business cards which go onto windshields of ham license plate cars easily.

Until next month...

Dan, KI6X – President



NEXT MEETING

November 20, 2020

Via ZOOM - meeting starts

7:00 PM

Zoom will be on starting
soon after 6:00 PM for
practice/random discussions

Dennis Kidder–

Voice Of America (VOA)

plus Elections for 2021

All current members will
receive an email invite

DURING COVID-19
All OCARC Nets
Remain Active!

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**2020 Board of Directors:****President:**

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Ron Mudry, W6WG
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2020 Club Appointments:**W6ZE Club License Trustee:**

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John Schroeder, N6QQ
(West Orange Co.)
(562) 404-1112
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-At-9) Monday - Friday
9:00 AM and 9:00 PM
NC & Prg. Director: Tom W6ETC
NC: Jeff: KK6TRC / Don W6ZZW

OCARC 2020 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

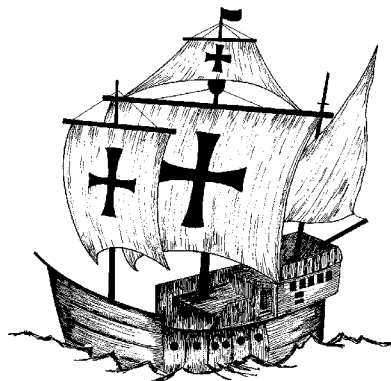
OCARC 2021 ELECTIONS

Candidates being brought to the membership by the Board for vote:

President –	Nicholas AF6CF
Vice-President –	Tim N6GP
Secretary –	Corey KE6YHX
Treasurer –	Ken W6HHC
Activities –	Ron W6WG
Membership –	Bob AF6C
Public Relations –	Tom W6ETC
Technical –	Steve N1BKB
Directors at Large –	Dan KI6X
automatically elected as past Pres	Tim N6TMT
automatically elected as past VP	

- Nominations will be taken from the floor per the Bylaws.
- If an Office is not contested, the Bylaws allow a voice vote for election of that Office.

- If an Office is contested, the Bylaws require a secret ballot vote. The following may occur if there is a contested Office:
 - A Zoom poll will be created real-time and Members in good standing will be asked to vote. Only a summary of the votes is given to the meeting Host(s). The meeting host(s) are unable to register a vote and will add their votes to the tally (if necessary). This has been tested and should work.
 - If the Zoom Poll does not work, a Membership vote will be held to suspend the secret ballot for this election only. This will have to be unanimous and if passed, we will hold a real-time election. The election for that office contested will happen one of two ways: 1) One or two email addresses will be put up on the screen and you will real-time email your vote; 2) One person will be designated vote counter and collect via Chat window in Zoom.
 - If none of the above function, then the contested office may be voted on at a later time as determined to meet the Bylaws.



RadioActivity

November 2020

Upcoming Activities:

NOVEMBER

- ***ARRL Sweepstakes CW:** 2100 UTC
Saturday Nov.7 through 0259 UTC Monday
Nov. 9.
- **WAE DX Contest, RTTY:** 0001 UTC
Saturday Nov. 14 through 2359 UTC Sunday
Nov. 15.
- **10-10 Fall Contest, Digital:** 0001 UTC
Saturday Nov. 14 through 2359 UTC Sunday
Nov. 15.
- **Run for the Bacon QRP Contest, CW:** 2300
UTC Sunday Nov. 15 through 0100 UTC
Monday Nov. 16.
- ***ARRL Sweepstakes SSB:** 2100 UTC
Saturday Nov. 21 through 0259 UTC Monday
Nov. 23.
- ***CQ World Wide DX / CW:** 0000 UTC
Saturday Nov. 28 through 2400 UTC Monday
Nov. 29.

DECEMBER

- ***ARRL 160 Meter Contest:** 2200 UTC Friday
Dec. 4 through 1600 UTC Sunday Dec. 6.
- **FT Roundup, FT8/FT4:** 1800 UTC Saturday
Dec. 5 through 2359 UTC Sunday Dec. 6.
- **ARS Spartan Sprint:** 0200 UTC through
0400 UTC Tuesday Dec. 8.

- ***ARRL 10 Meter Contest:** 0000 UTC
Saturday Dec. 12 through 2359 UTC Sunday
Dec. 13.
- **QRP ARCI Holiday Sprints Homebrew
Sprint/CW:** 2000 UTC through 2300 UTC
Sunday Dec. 13.
- **4 States QRP Group Second Sunday
Sprint:** 0100 UTC through 0300 UTC Sunday
Dec. 14.
- **RAC Canada Winter Contest:** 0000 UTC
through 2359 UTC Saturday Dec.19.

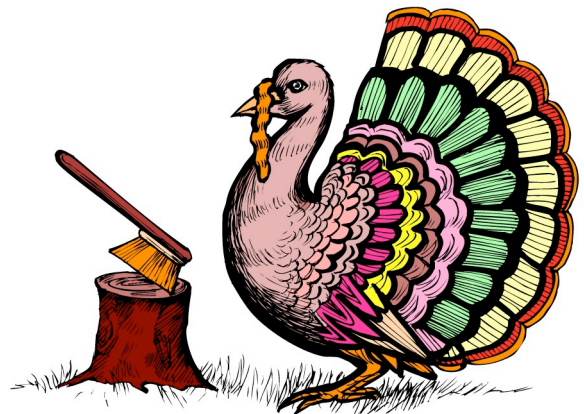
* Indicates club entries are accepted

** 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
UTD 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.

Send an email to Ron W6WG, w6fps@w6ze.org to
have your favorite activity or your recent RadioActivity
listed in next month's column.



Records Smashed in the California QSO Party 2020

By Tim Goeppinger N6GP

The California QSO Party (CQP) was held on October 3rd & 4th, and is one for the record books. That weekend had warm temperatures in So. Calif with highs in the mid 90's, and the 11 year sunspot cycle was just barely eeking out of a many year trough with the Solar Flux SFI at 72, with an A index of 4.

There were a record 1350 logs submitted for CQP, smashing the old record of 985. Records were smashed for the Single Operator California High and Low power classes. Two factors were behind this: 1) The COVID-19 pandemic and 2) the State QSO Party Challenge. Ever since the pandemic hit in March, contests have seen dramatic increases in activity, as hams are staying at home, and getting on the air. Plus, there were very few NCAA football games on that weekend, as our local Pac-12 was not playing. The State QSO Party Challenge this year encouraged many of us to enter as many of the 46 possible QSO parties. This was the first one of its kind, and drove up interest in the QSO parties. <http://stateqsoparty.com/> Many hams saw the CQP as an opportunity to boost their QSO totals in this yearlong "Contest of Contests."



One of the CQP organizers, Dean Wood N6DE seemed elated with the results, in his commentary in the recent NCCC "Jug" newsletter. He said logs were up 50 % over last year, and the number of contacts was up by that margin as well. He said even with all the fires and COVID, that all 58 counties were on the air, and several stations outside CA swept all 58 counties. He said a growing trend is the half dozen or so stations that were operated remotely. He also said the 21 1x1 callsigns that spelled out SEQUOIA were quite busy with over 42,000 QSOs.

Our Club was able to assemble a formidable team to make an impressive entry in the Small Club category. We were able to build on the momentum we had as a team for an aggregate score that we had on Field Day, plus the addition of some of the operators from the ABCD Field Day group. (see the December RF for FD results). With nearly 1 million points from our top 10 logs, we have a very impressive score! However, we have some strong competition from northern California from the Pizza Lovers 259 Contest Club (including our October speaker John Miller K6MM), and the Redwood Empire DX Association (REDXA). The PL-259 Club won the Small Club category last year with 1.3 million points. Even with our great score, I think we are destined for a 3rd place finish, or 2nd place if we are lucky. I think we have a score that we can be very proud of. Way to go, OCARC! Thank you for your participation and great effort.

OCARC California QSO Party Team Scores 2020

Operator	Call	CW QSOs	SSB QSOs	Total QSOs	Score
Arnie	N6HC	780	603	1383	202,122
Bob	AA6PW	797	312	1109	174,870
Bruce	K6PB	290	16	306	46,550
Chip	K7JA	984	281	1265	200,298
Dan	KI6X	536	218	754	114,464
Doug	K6PGH	13	108	121	11,220
Greg	W6ATB	0	19	19	532
Jess	W6LEN	150	0	150	18,240
Jim	AF6N	120	1	121	11,222
Ron	W6WG	38	127	165	16,192
Tim	N6GP	827	90	917	149,184
				Club Score	944,894

multi-op so I do not have to have my butt-in-chair as long. But the club effort motivated me to go mostly all in. Got 12 hours in Saturday with minimal breaks and found my "wall" a couple times but they passed easily. Another 6+ hours in Sunday went quickly. Got a full night sleep to not mess with my work week.

– **Dan KI6X**

CQP was fun as always. I liked the added bonus of representing OCARC in the Small Club Category.

– **Doug K6PGH**

I was very happy with the OCARC turn out for this year's CQP and some of the tremendous scores posted by our team members. With all the disruptions of 2020, it was good to see how well we performed as a club when we came together in CQP, Winter Field Day and Field Day. Besides having fun, CQP was a learning experience for me by exposing a few technical problems in my stations hardware and software setup. I am so looking forward to 2021 when we can get the team together again and post even better scores, sunspots willing.

– **Ron W6WG**

This was my first effort in CQP. I enjoyed it much. Will try again next year and hope to work longer and contribute more to the club score.

– **Jim AF6N**

Participation was fantastic with a lot of activity. Last minute out of town trip for Sunday morning only let me play on Saturday. The last mults were HI and MT.

– **Bob AA6PW**

Normally I am out with the Orange Co ARC doing antennas in the park during the first few hours of the contest. At home this year, I remembered how important those early hours are--a QSO a minute for the first 2 hours. I didn't find out until too late that my personal best was 940 QSOs in 2014. Some year I will submit a 1000 QSO log when more bands are open. I used my SDRPlay to keep tabs on 15m while I was on 20m. 15m was only 1/2 way open Saturday and about 3/4 open on Sunday. Thankfully I had gotten my 40m inv vee 40 feet up in my palm tree with 5 minutes to spare in the contest. The only DX this year was Puerto Rico and England. Propagation to Europe was not there on any band. I worked all states except ND and missed NT for 56 mults. Thanks to NCCC for arranging this, and for John K6MM for speaking to our Club about CQP.

– **Tim N6GP**

Who knows where we will be with the pandemic during the 2021 CQP, but it is almost certain that sunspot Cycle 25 will have taken off by then, providing a lot of excitement on 15 and maybe even 10 meters. Mark your calendars for Oct 2nd & 3rd!

CQP Soapbox Comments from OCARC Members

I have not done a contest seriously in many years. I also usually have done

After living here for four decades, I finally got on for CQP this year. Having never put in an effort, I really had no concept on strategy, but with only three bands being productive it boiled down to "Do I get on Phone, or not?" I think I spent too much time on Phone, but I really only went there when CW got super slow. For CQP (on my 60' x 100' city lot) I put up a half-wave sloper for 40, and a quarter-wave sloper for 80 (which I used on 160 and actually made some contacts), and while they were hardly "competition grade" solutions for the low bands they did allow me to make some contacts. The 40 meter CW performance was quite gratifying, considering the number of beams that are on the band. Both 80 and 40 seemed quiet and productive. Fifteen was marginal--spotlight prop and I think it was a super low-angle weekend there. Missed VY1CO, who apparently was doing S&P early, but everybody else called in just fine, including two MR and NDØTS in North Dakota Sunday morning. Great participation--thanks to the organizing team for a job well done.

-73 de Chip "K7 Juliet Alpha Stroke Six" (many more syllables than the 1x1 calls!!!)



OCARC General Meeting Minutes via ZOOM 2020-10-16

The October OCARC General Meeting was held on ZOOM via the internet on Sept 18, 2020. The meeting was called to order about 7:07pm by “el Presidente” Dan K16X.

There were a total of 35 members and visitors in attendance. There was a quorum of officers, with all directors present, except Greg W6ATB. This was the seventh OCARC General Meeting that was completely conducted using ZOOM (due to meeting restrictions imposed by the Coronavirus).

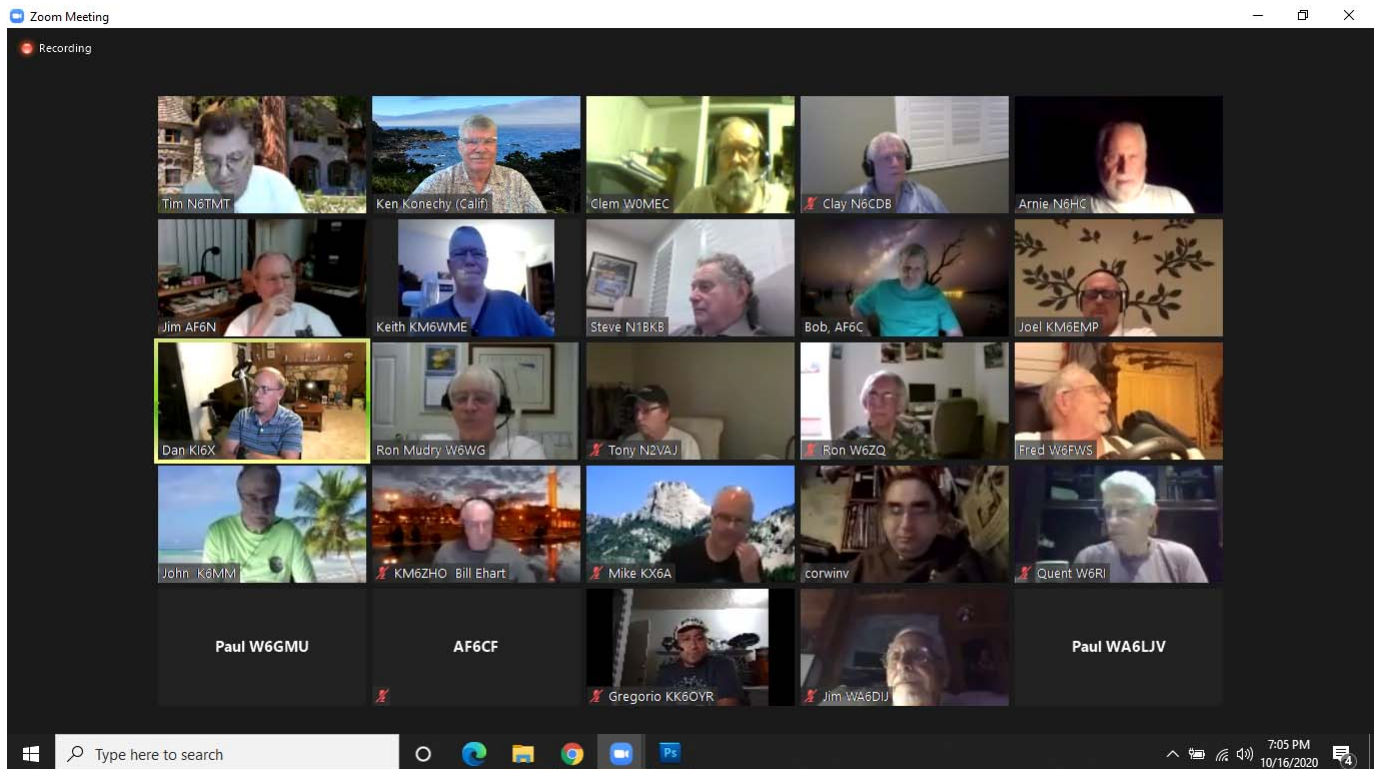


Fig 01 - A typical Screen-Capture of members in attendance during the October meeting.

The majority of attendees could provide video from their home QTH.

But, while some sent no video, everyone could watch video on ZOOM and could hear the audio during the meeting.

NOTE – our guest speaker for the meeting, John K6MM, can be seen on the left-edge of attendees in the light green shirt and near a palm tree (of course).

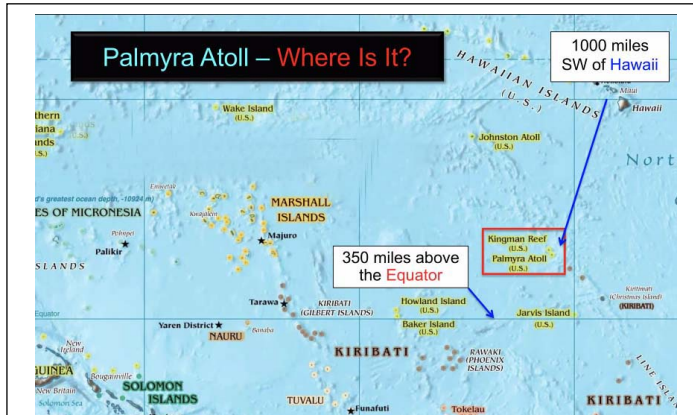
October Program:

Tim N6TMT introduced John Miller – K6MM, the President Northern California DX Foundation and member of several recent DXpedition teams, on ZOOM as the club program speaker for the evening, who talked on:

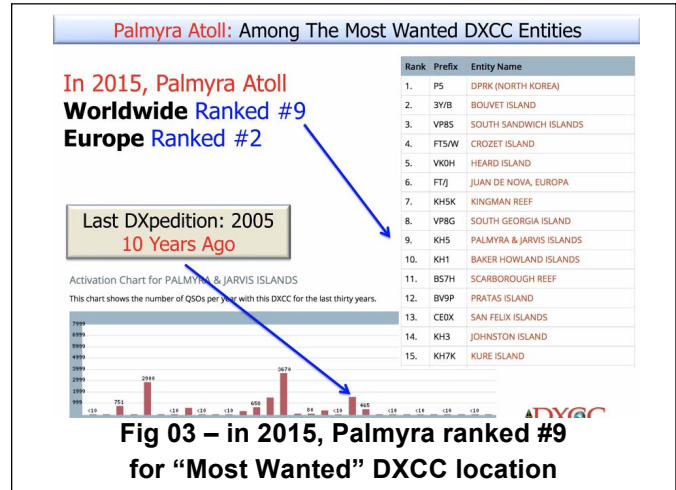
“K5P – the 2016 Palmyra Atoll DXpedition...”

John K6MM was a member of the K5P DXpedition that took place in January of 2016. As Figure 02 shows, the Palmyra Atoll is located about 1000 miles SW of Hawaii. In 2015, DXers had ranked Palmyra Atoll as #9 “most wanted” DXCC entity in the world....nobody had operated there for 10 yrs.

The K5P team consisted of 9 experienced hams. Their emphasis was to work stations in Europe, where Palmyra was ranked as the #2 “most wanted” DX location.



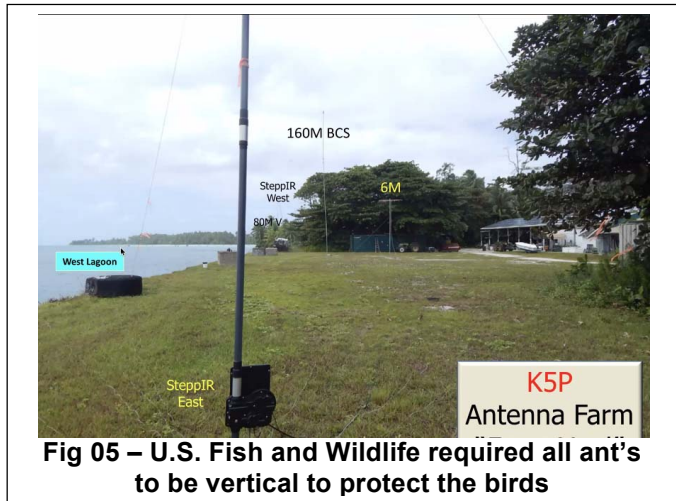
**Fig 02 – Palmyra Atoll is in middle of Pacific
1000 miles from Hawaii**



**Fig 03 – in 2015, Palmyra ranked #9
for “Most Wanted” DXCC location**

The 9 K5P Ops: “Nature’s Best”

- Well-Matched Team Players
- Egos left in the parking lot
- Previous DXpedition experience
- High level of Trust
- Good work ethic -- “Get It Done” philosophy
- Good pileup management skills = comfortable operating in a high-rate environment
- “Tri-Lingual” = CW, SSB, RTTY
- Special Skills: IT, antennas, power, logistics, medical, infrastructure, fundraising, technical, etc.
- Sense of humor



**Fig 05 – U.S. Fish and Wildlife required all ant’s
to be vertical to protect the birds**

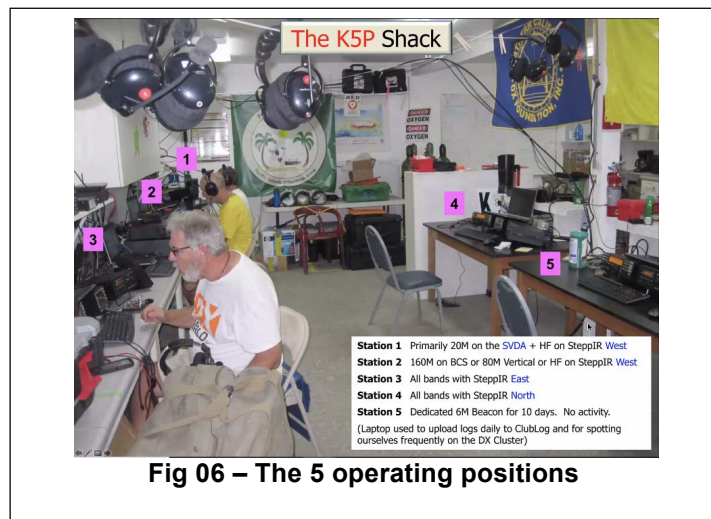
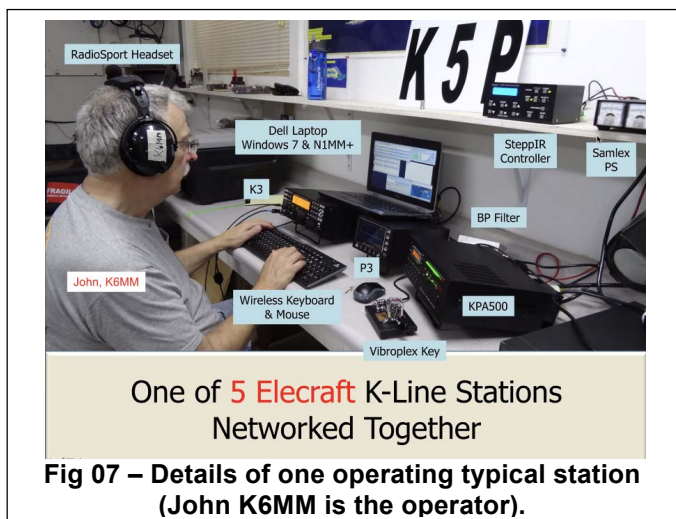


Fig 06 – The 5 operating positions



**Fig 07 – Details of one operating typical station
(John K6MM is the operator).**



Fig 08 – Great food was provided by Fish and Wildlife staff.



K5P Team
Dick W3OA, Glenn W6GJ, Jerry WB9Z, Craig K9CT, Hal W8HC, Lou N2TU, John K6MM, Mike K9NW & Tom ND2T

The K5P DXpedition was able to provide 79,211 QSOs in 13 days of operation. For more information visit Palmyra2016.org.

Business –

- **CA QSO PARTY (CQP)** – The CQP was held on Oct 3 and 4. Ron W6WG reported that nine logs had been submitted for the club effort so far for a total of 897,000 points
- **Bylaw Changes on web** – Secretary Ken W6HHC reported that he and Corey KE6YHX had gotten together to clean up all the punctuation errors and formatting tweaks in the released Revision G of the OCARC Bylaws. The Bylaws files are available on the club website.
- **Christmas Party** – Jim AF6N reported that he has stayed in contact with Mimi's Café, but everything is up in the air this year because of COVID-19. Currently, best situation is 25% occupancy of a room. The OCARC board will make a decision at the Nov Board Meeting.
- **Elections in November** – The election committee has prepared a slate of nominated officers for the election to be held during the November General Meeting [See Page 3]. There was discussion on how to have a secret ballot (if needed) and Vijay discussed using ZOOM-voting feature.
- **Question(s) for Elmer** – Vijay KM6IZO explained that he can hear HF stations but they do not answer his call. Several people mentioned his G5RV antenna for 40M may be too low to ground? Steve N1BKB offered to try testing Vijay's signal between their two houses.

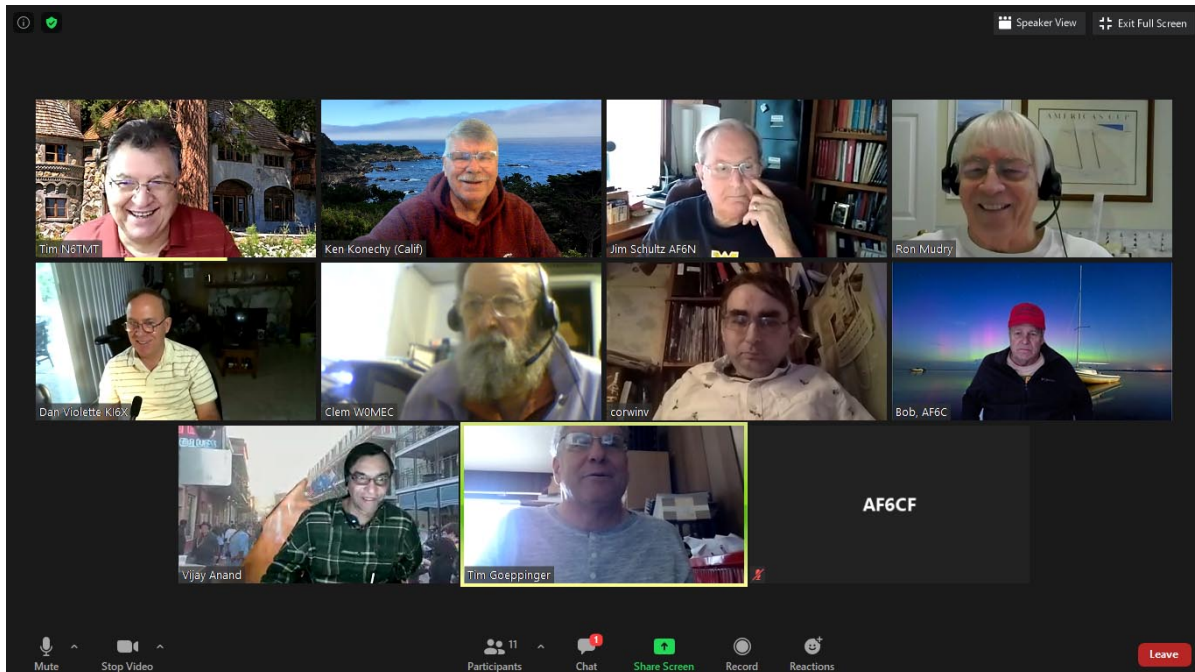
Good of Club –

- Bob AF6C reported that a nicely restored Johnson Viking 1 AM transmitter (with matching external VFO) is for sale from Hank WB6MEU on the club website.
- Ken W6HHC told members that new member (after many years) Jim Tripp WA6DIJ runs a "Radio Museum" at his home in Castroville, CA with about 1000 radios (mostly broadcast radios) but with 100 ham rigs. See www.AntiqueRadioMuseum.org

Submitted by: Ken W6HHC, Secretary

OCARC BOARD MEETING MINUTES 2020-11-07

Due to the COVID-19 restrictions on physical gatherings, the latest OCARC Board meeting was held ON-LINE via ZOOM on Saturday November 07, 2020 at 8:30 AM. In attendance were nine Board Members and three other club members. All board directors (except Greg W6ATB) were present for a Board quorum. The ZOOM technology was hosted by Tim N6TMT with screen shares by President Dan KI6X.



Typical Screen-shot during the November Board Meeting held on ZOOM
due to CoronaVirus Health Restrictions

Directors Reports:

- **Treasurer** – No report was provided.
- **Membership** – Corey KE6YHX reported the October Zoom General Meeting had 35 attendees. Corey reported that the club currently has a total of 109 members.

OLD Business:

- **Newsletter Editors**
 - Nov** Corey KE6YHX (this newsletter).
 - Dec** Bob AF6C
 - Jan** Tim N6GP
- **General Meeting Programs (Zoom meetings until further notice)**
 - November – Dennis Kidder W6DQ, subject: Voice of America
 - December Dinner – **CANCELLED** - Jim AF6N has been reporting to the board by e-mail about the complexity of a dinner location during the COVID-19 struggles. At this board meeting, the board confirmed to cancel any December Dinner.
No details were available for a possible outdoor picnic, yet.

○ January – ICOM

- **California QSO Party:** Ron W6WG reported that ten operators contributed to a GREAT score for the OCARC entry with nearly 945,000 points in the Small Club category. See the full CQP report on pages 5-7 of this newsletter.
- **2021 Club Elections – “El Presidente”** Dan showed the current full-slate of nominations for 2021 OCARC Officers. The full slate is listed page 3 of this Newsletter.

The board discussed possible approaches to the club elections during COVID restrictions:

1. ALL voting will be done by ZOOM-online if NO positions are contested.
 2. If any contested positions...then a secret ballot will be prepared for each contested position using the ZOOM anonymous polling feature.
 3. If the ZOOM anonymous polling feature fails us for any reason, then the club will make a motion to:
 - (a) hold a membership vote to suspend the “secret ballot approval” required for this election only...in favor of a “semi-secret ballot approval” for this election only.
 - (b) if the waiver motion vote is successful, then the club will use either e-mail or ZOOM CHAT directed to one official officer during the contested-position voting.
- **2021 Winter Field Day –** Ron W6WG reviewed the rule changes and plans for the up-coming Winter FD at the end of January. The WFD contest will be conducted similar to how we held Summer FD for OCARC. Individual club members can operate from home or from the field and declare their point score for the benefit of Orange County ARC CA.
 - **OCARC Tri-fold Brochures –** Dan reported that 500 copies of an updated club brochure had been printed. Jim AF6N will deliver a batch to HRO before Thanksgiving.

NEW Business:

- **OCARC Insurance for 2021 –** After discussion, the board approved a motion to proceed with buying liability insurance for OCARC for next year.
- **Possible Future “Hybrid Meetings” –** When normal “meeting-room” club meetings are held again, the board talked about conducting “Hybrid Meetings” where the club holds in-person meetings again, but also conducts on-line (e.g., ZOOM, Skype, etc.) meetings for reluctant members or remote members. Two main problems were pointed out with “Hybrid Meetings”: (1) the Wi-Fi access at Red Cross is probably not robust enough for on-line meeting technology and (2) conducting on-line meetings during regular meetings require almost a full-time “Audio/Video” person to run smoothly. It was also pointed out that in the past - using on-line video technology ONLY for patching in guest speakers has worked OK and avoids some of the issues.
- **AUDIT Committee –** The OCARC normally conducts a financial audit of 2020 monies after the first of the year. The following people were placed on the 2020 Financial Audit Committee: Greg W6ATB, Tim N6TMT, and Ken W6HHC.
- **December Board Meeting –** Since OCARC is NOT planning on a General Meeting in December, the board decided to take care of any loose ends by scheduling a Board Meeting on Saturday, Dec 05. However, OCARC may hold a less formal December on-line meeting on the regular 3rd Friday date to replace the dinner or picnic.

Good of the Club:

- **QRP Power Measurement –** Bob AF6C offered a dummy load for a QRP power measurement task of Ron W6WG. This dummy load can output 5 VDC at one-watt to allow power measurements, however the output is not linear.

- **Storage of old Radios Donated to OCARC** – Tim N6TMT made arrangements with Bob AF6C to move some old radios (that are currently being stored outside at Bob's QTH) into the club's storage facility.
- **SB-300 Receiver Donation** – Bob AF6C received an old Heathkit SB-300 receiver that was recently donated...Bob explained the receiver is undergoing evaluation.

Meeting adjourned 10:00 AM

Submitted by Ken W6HHC - Secretary



A Dire Situation on the Coronavirus Net

I have been a Cable Cutter for both television and the land-line services of the phone companies and have been using the internet VOIP for my phone service such as Skype and Magic Jack. Also, I do not have a cell phone. If I did have a cell phone this emergency situation would not have occurred. Basic Spectrum internet service with 400 Mb down and 50 Mb up is \$60.00 per month. The internet and WiFi with YouTube and other services provide TV entertainment for free. This particular situation has never occurred since I cut the cable. Usually in a power failure or internet service provider failure, everything would come back to normal after just a few minutes of outage.

However, in this particular case I needed a phone to call Spectrum Service. Our Orange County Amateur Radio Club Coronavirus Net provided the link to a phone service to Spectrum via Corey Miller KE6YHX and myself W0MEC. The below references describe how we resolved and repaired the internet interruption at my residence, all within a time span of less than one hour via 2 meters.

--de Clem W0MEC

- Monday, October 26, 2020: On the 8:30pm OCARC Coronavirus Net, Clem W0MEC reports he is in a dire situation. The winds have knocked-out his internet, including his MagicJack internet phone, and he has no cellphone or land-line. His only means of communication at his QTH is via Ham Radio. This is the first time this has happened to him.
- Tony N2VAJ inquires if a 911 call is even possible. Corey explains no, only with locked cell phones is this possible in this type of situation. Tony says it indeed is not a good situation.
- Corey KE6YHX (Net Control) assures Clem he will monitor the two-meter Net frequency for him for as long as needed.
- Clem says the only thing he needs right now is to contact Spectrum, and suggests we should talk after the Net, so that is what we did.
- Corey has two further questions, one: was the damage due to the winds, and two: what time can a service technician come out? Clem says yes, and as soon as possible even if it is tonight.
- At 8:58pm, Clem gives Corey the phone number for Spectrum. Corey then gathers Clem's information from the Club roster and other sources.
- 9:01pm: Start of the phone call to Spectrum Cable, Corey speaks with Karina.
- Karina tells Corey there are three tickets in progress tagged to Clem's account, and have been open for four hours.
- Corey tells Karina of the dire situation, that Clem has no phone service, and can only communicate via Ham Radio. Corey asks if they would please send someone out to speak with Clem the following day. She speaks with her supervisor, then comes back to help.
- Karina tells Corey, Clem's service has been on for the past ten hours, and asks if Clem would please check his internet now.
- 9:13pm: Clem starts his computer
- In the interim Clem tells Corey this will take up a lot of time, and doesn't want to keep him waiting.
- "It's an extension of the Coronavirus Net, this is what we're here for!" Corey says to Clem.
- Clem tests his internet by turning on his computer and trying Google on his web browser. He gets the message "Unable to connect to the internet—please contact your service provider or try again later."
- Clem says he has a cable modem which goes to an Archer AC5400 MUMIMO router, then to his computer, all via ethernet.
- The yellow Ethernet light on the modem is flashing, which seems unusual.
- Corey relays this information to Karina. Karina says to check the Power and Online lights on the modem.
- Clem comes back and says the Power and Online lights are both solid blue, and his router light is red. Corey relays the information, and Karina says the flashing yellow Ethernet light is normal.
- Karina tells Corey, and Corey relays to Clem he needs to unplug his router, then plug it back in. When Clem does this his internet comes back online!
- To confirm his phone service is operational to Karina, Corey asks Clem to call him via his internet phone, and he does with great success!
- 9:37pm: End of call with Spectrum

--de Corey KE6YHX

Known Digital-ATV DX Records

by Ken W6HHC

Known Digital-ATV DX Records updated 2020-10-13 by Ken W6HHC	Known Digital-ATV DX Records - Page 2 updated 2020-10-13 by Ken W6HHC
76 GHz	1.2 GHz - continued
35.6 KM G8GTZ/P & G4LDR/P 2019-01-28 DVB-S2 at 333 KS/s RB-DATV. Locations Coombe (IO91GI) and Cheesefoot Head (IO91JB)	252 KM JA5GYU & JA6JNR 2009-11-03 (1 Watt)
12 KM G8GTZ/P & G4LDR/P 2018-06-10 DVB-S at 250 KS/s RB-DATV. Locations IO90LX and IO90LU	70 CM
47 GHz	696 KM F1FY to G8GTZ 2013-09-24 (DVB-S 2MS/sec FEC=1/2 - one way reception)
115 KM JA0RGP/0 & JA0RUZ/0 2015-06-07 DVB-S2 protocol - each station SR-Systems exciter SR=6000KS/s - 150 mw final out Locations PM97MT (Niigata City) and PM96FV (Nozawa Onsen Ski Resort)	696 KM G8GTZ to F1FY 2013-09-25 (DVB-S 2MS/sec FEC=1/2 - one way reception reported by FM) Locations IO91KH (near Basingstoke) and JN16VB (near Roanne, France)
24 GHz	600 KM DB0TAN (repeater) to F9ZG 2014-11-28 DVB-S - one-way DATV - Tropospheric ducting (signal 25 dB S/N over ca) Locations Wasserkuppe (Germany Hesse state) to IN99KC (Normandy France)
136 KM G8GTZ/P & G4FRE/P 2019-06-09 DVB-S2 Protocol - 333KS/s FEC=1/2 approximately 0.5 watt, 60cm dishes Locations Dunkery Beacon (IO81FD) and Cleeve Common (IO81XW81)	528 KM G3PYB & F5AGO 2013-09-24 (DVB-S 2MS/sec) Locations near W YORKSHIRE and JN06DP (near Poitiers, France)
124 KM JA6DME & JA6EES 2011-11-12 Locations Mont Ten-Zan and Mont Ge-Zan	501 KM W4HTB & WB8LGA 2014-07-26 (DVB-T QPSK FEC=1/2 2 MHz Bandwidth) - Tropospheric ducting Locations Bowling Green, KY and Marengo, OH
113 KM JA0RGP to JA0RUZ 2020-06-20 ISDB-T JA0RUZ EMB220 TX at 150mw out JA0RGP HV-320J at 300 mw final out Locations PM97LU (Niigata City) and PM96FV (Nozawa Onsen Ski Resort)	235 KM G8GTZ & F9ZG 2016-06-12 H.264 video - DVB-S protocol at 125 KSymb/s using DATV-Express w/ 19-ele yagi Locations JO00HU (Fairlight near Hastings) and IN99KC (near Cherbourg)
10 GHz	121 KM KH6HTV to K0RZ 2011-11-21 (video resolution HDTV 1080i - protocol ITU-T/J.83B QAM-64 - one-way DATV) Locations Cheyenne, Wyoming and Boulder, Colorado
463 KM JA0RUZ & JA0DAE 2012-07-28 DVB-S protocol SR-Systems exciter SR=6000 KS/s Locations Akita prefecture (Cold Wind Mt) and Toyama prefecture (Mt.Iozan)	144 MHz
450 KM HB9JBC & F4CXQ 2005-06-21 Locations JN40CT (Sardinia) and JN12OH (Spain)	407 KM M0DTS/P & G4UVZ 2018-10-24 DVB-S at 333 KS/s RB-DATV. Locations IO94MJ (Danby Head) and IO80KX (Hollybank Blagdon Hill)
407 KM M0DTS/P & G4UVZ 2018-10-24 Intense tropo-ducting all bands. RB-DATV using DVB-S at 125 KS/s & 333 KS/s Locations IO94MJ (Danby Head) and IO80KX (Hollybank Blagdon Hill)	403 KM PI4D to G4YTV (one way) 2020-08-22 DVB-S2 at 125 KS/s using H265 with FEC=1/2 on 144.600 MHz. (100W into Yagi) Locations Dordrecht, Netherlands and IO93UU82FR (East Yorkshire, England)
258 KM F1MPE/P & HB9AFO 2019-09-14 DVB-S at 333KS/s using Portdown exciter - HB9AFO w/ 8W out and 1M dish Locations JN26JL and JN36GN reflections against Mont Blanc	380 KM PA0JCA to G4YTV (one way) 2020-08-22 DVB-S at 125 KS/s using H264 with FEC=1/2 on 145.300 MHz. (80W into 4el Yagi) Locations Amstelveen Netherlands and IO93UU82FR (East Yorkshire, England)
167 KM JA0RGP/0 & JA0RUZ/0 2020-08-10 ISDB-T protocol - 64QAM OFDM FHD with self-made TX at 500mw final out Locations PM96FV (Nozawa Onsen Ski Resort) and PM98RE (Murikami City)	313 KM G1UGV & G4CBW 2018-07-14 tropo-ducting - H.264 video - 8W DVB-S protocol at 333 KSymb/s with Portdown tx & MiniTiouner rx with 7-ele yagi at G1UGV. G4CBW used DATV-Express tx (7W) & MiniTiouner with 5-ele beam. - on 146.5 MHz - UK temporary band allocation Locations IO74AU93XP (Larne, N. Ire) and IO83UB93 (Newcastle-Under-Lyme)
5.7 GHz	294 KM G0MJW/A & G8LES 2016-12-29 tropo-ducting - H.264 video - DVB-S protocol at 125 KSymb/s with DATV-Express and 9-ele yagi at G0MJW. G8LES also used DATV-Express with 10-ele X-yagi. Both produced 25W ERP. - on 146.5 MHz - UK temporary band allocation Locations IO83RO (Winter Hill) and IO91LC (Four Marks)
464 KM JA0DAE/9 & JA0RUZ/7 2012-07-28 Locations PM86JM and PM99WW - DVB-S - AR Sys and SR-Sys exciters	50 KM M0DTS & G0LPS 2015-02-21 H.264 video - protocol DVB-S at 333 KSymb/s using experimental DATV-Express transmitters & MiniTiouner RB-DATV receivers. 146.5MHz UK temp band allocation Locations North York Moors, England and Spennymoor (County Durham) IO94EQ
341 KM JL1BLF & JH1GED 2011-08-06 Locations Mont Chokai-san and Mont Kashimayari-gatake - DVB-S SR-Systems	70 MHz
287 KM JA0RUZ/9 & JA4JKE/4 2018-06-02 ISDB-T - JA0RUZ using XHAE2-D TX - JA4JKE use HV-320J - at 500mw final out Locations PM86JS (Tottori City) and PM75AM (Mt Hodatsu)	230 KM G4FRE to G4FRE/P (one-way) 2018-12-27 DVB-S protocol - Pluto xmtlr at 250 KSymb/Sec with FEC=7/8 and 5-ele beam Locations Malvern (IO82UC) to Isle of Sheppey (JO01KK)
167 KM JA0RUZ & JA0RGP 2020-08-10 ISDB-T protocol - 64QAM OFDM FHD with self-made TX at 500mw final out Locations PM96FV (Nozawa Onsen Ski Resort) and PM98RE (Murikami City)	160 KM G8GTZ/P & G4FRE/P 2018-12-09 DVB-S protocol - Portdown 125 KSymb/Sec FEC=7/8 & 5-ele beam on 71.0 MHz. Locations Win Green (IO80WX) and Titterstone Clee (IO82QJ)
3.4 GHz	136.6 KM G8VPG & G4BVK 2018-09-14 H.265 video - DVB-S protocol at 333 KSymb/s with DATV-Express transmitter, MiniTiouner receiver and 3-ele yagi at both stations Both transmitted 20W - on 71.0 MHz - UK temporary 4M band allocation Locations IO81FD19QU (Dunkery Beacon) and IO81XW90 (Cleeve Hill)
154 KM GW4CBW/P & G3NWR/P 2018-06-10 DVB-S at 333 KS/s RB-DATV. Locations IO83FD and IO84ML	50 MHz
2.4 GHz	228 KM G4FRE to G4FRE/P (one-way) 2018-12-26 DVB-S protocol - Pluto 250 KSymb/Sec with FEC=7/8 & 5-ele beam on 51.0 MHz. Locations Malvern (IO82UC) to Isle of Sheppey (JO01JK)
~ 1000 KM OR4ISS to IOKPT (one-way) 2014-03-08 ~ 1000 KM OR4ISS to IK1SLD (one-way) 2014-03-08 Initial DVB-S protocol live video transmissions from Ham TV in orbit aboard ISS SR = 1.34 MSymb/sec and 2.0 MSymb/s using SR-Systems exciter & MPEG2 Locations Orbit to Matera, Italy and also Orbit to Casale Monferrato, Italy	140 KM G4FRE/P & G8GTZ/P 2019-04-06 DVB-S2 protocol at 250 KSymb/Sec with FEC=1/2 G4FRE used Portdown/MiniTiouner with 5-ele F9FT yagi Locations Titterstone Clee (IO82QJ) and Walbury (IO91GI)
252 KM JA6SPI & JA5MFY 2009-11-03 Locations PM63LN and PM51PS SR-Systems exciter and loop-yaggi	
1.2 GHz	
440 KM G4KLB to G1LPS 2010-10-11 Locations IO90BR and IO94EQ (tropospheric ducting - one-way DATV)	
419 KM G4KLB & M0DTS 2010-10-11 Locations Bournemouth, England and Yarm, England	
379 KM VK3RTV(Repeater) & VK7EM 2011-02-23 (operators VK3BFG, VK3DQ, VK3WWW and VK3TRX) Locations Mount Dandenong, Victoria and Penguin, Tasmania	

OCARC Cash Flow - Year To Date

1/1/2020 through 11/13/2020

Category	1/1/2020- 11/13/2020
INFLOWS	
Auction In, Jan 2020	1,696.25
Donation - Michael K6GTE	30.00
Donation - N6GP	20.00
Dues, Family (PayPal) 2020	131.78
Dues, Membership (PayPal) 2020	1,319.76
Dues, Membership (PayPal) 2021	488.02
Dues, Membership 2020	576.33
Dues, Membership 2021	97.50
Refunds Received	15.53
TOTAL INFLOWS	4,375.17
OUTFLOWS	
Auction Flyer Printing	21.55
Auction Payout, Jan 2020	1,359.23
Christmas Dinner 2020, Trophy Award	59.26
Donations - Red Cross	250.00
Field Day Winter - Tent Rental	130.00
OCARC Brochures	168.25
OCARC Historian	29.29
Opportunity Drwg - Monthly Exp	438.71
PO Box Rental	92.00
Refreshments Expense	32.65
Refund paid	7.50
Secretary of State	25.00
Storage Locker	475.00
Storage of Equipment - Ann Millard	250.00
Supplies	15.85
Web Site Hosting	101.94
Web Site Hosting - PayPal	221.99
TOTAL OUTFLOWS	3,678.22
OVERALL TOTAL	696.95

MiniTiouner-Express

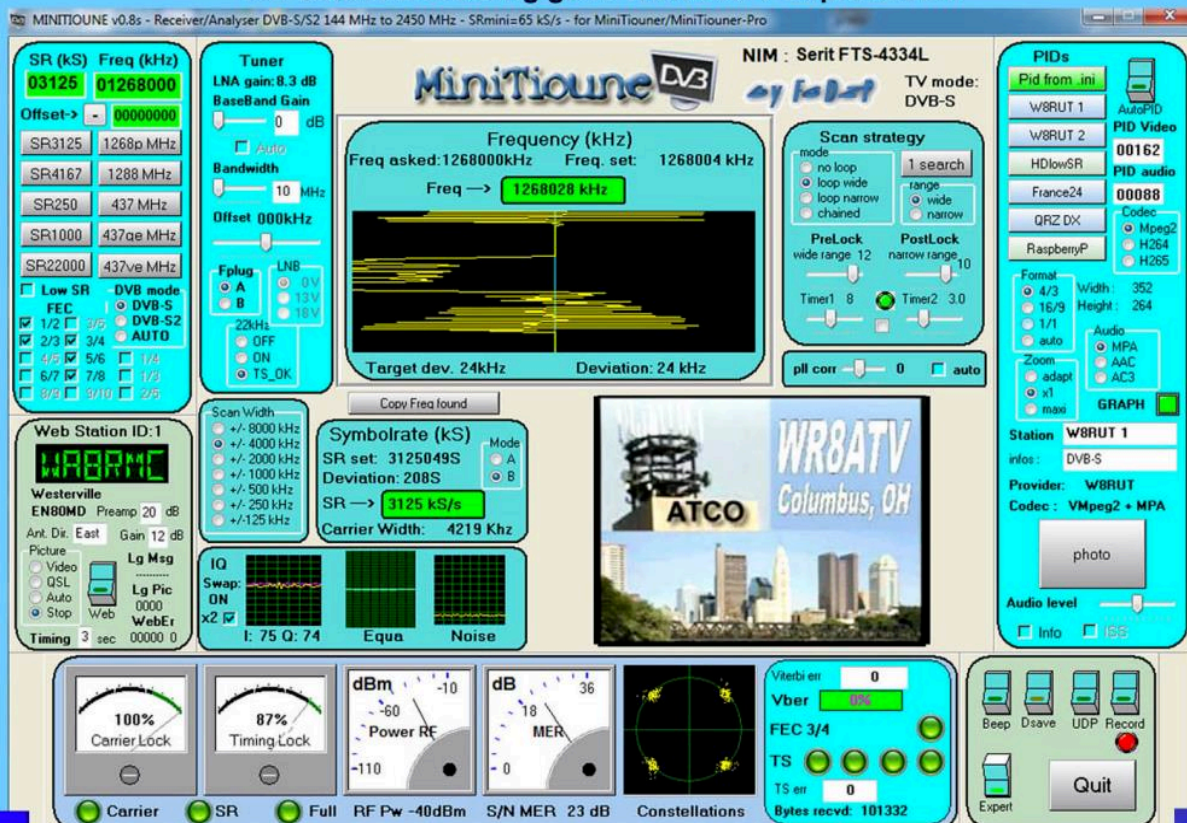
Digital Amateur Television DVB-S/S2 Receiver / Analyzer



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).