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:**
Dan Violette KI6X  
(714) 637-4632  
ki6x@w6ze.org

**Vice President:**
Tim Millard N6TMT  
(714) 744-8909  
n6tmt@w6ze.org

**Secretary:**
Ken Konechy, W6HHC  
(714) 348-1636  
W6HHC@W6ZE.org

**Treasurer:**
Greg Bohning, W6ATB  
(714) 767-7617  
w6atb@w6ze.org

**Membership:**
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(714) 322-0395  
ke6yhx@w6ze.org

**Activities:**
Jim Schultz, AF6N  
(714) 544-5435  
af6n@w6ze.org

**Publicity:**
Vijay Anand, KM6IZO  
km6izo@w6ze.org

**Technical:**
Bob Eckweiler, AF6C  
(714) 639-5074  
af6c@w6ze.org

**2020 Club Appointments:**

**W6ZE Club License Trustee:**
Bob Eckweiler, AF6C  
(714) 639-5074  
af6c@w6ze.org

**Club Historian(s):**
Corey Miller KE6YHX  
(714) 639-5475  
ke6yhx@w6ze.org

Bob Evans, WB6IXN (Emeritus)  
(714) 543-9111  
wb6ixn@w6ze.org

**RF Editor for October 2020**
Corey Miller, KE6YHX  
(714) 639-5475  
ke6yhx@w6ze.org

**Webmaster:**
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af6c@w6ze.org

Tim Millard, N6TMT  
(714) 744-8909  
n6tmt@w6ze.org

**ARRL Awards Appointees:**
Arnie Shatz, N6HC  
(714) 573-2965  
N6HC@AOL.com

John Schroeder, N6QQ  
(West Orange Co.)  
(562) 404-1112  
N6QQ@MSN.com

**Directors @ Large**
Tim Goepplinger, N6GP  
(714) 730-0395  
n6gp@w6ze.org

Ron Mudry, W6WG  
(714) 840-3613  
w6wg@w6ze.org

**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  
*TTemporarily 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

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**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.
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 in 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.
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.
- **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/](http://stateqsoparty.com/)

Many hams saw the CQP as an opportunuity 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 compeition 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.
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 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
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!!)
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 KI6X.

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).

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.
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
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.

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.
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
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<th>Known Digital-ATV DX Records</th>
<th>Known Digital-ATV DX Records - Page 2</th>
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<td>by Ken W6HHC</td>
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**35.6 KM**
- **G6GTZP & G6DLRP** 2019-01-28
  - DVB-S2 at 333 K/Sr RB-ATV
  - Locations Coombe (IO191G) and Cheesefoot Head (IO191U)
- **G6GTZP & G6DLRP** 2018-06-10
  - DVB-S at 250 K/Sr RB-ATV
  - Locations IO90LX and IO90LU

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<tbody>
<tr>
<td>2015-06-07</td>
<td>DVB-S protocol - each station SR-Systems excitor SR=6800K/Sr - 150 mw final out</td>
</tr>
<tr>
<td>Locations PM97MT (Nagata City) and PM969FV (Nozawa Onsen Ski Resort)</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>130 KM</th>
<th>G6GTZP &amp; G6QFRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019-09-09</td>
<td>DVB-S2 Protocol - 333K/s Sr=FECH1/2 approximately 0.5 watt, 600 dishes</td>
</tr>
<tr>
<td>Locations Dunkerry Beacon (IO81BP) and Cheeseum Common (IO81WN81)</td>
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<table>
<thead>
<tr>
<th>124 KM</th>
<th>J4AOCE &amp; J4AEES</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-11-12</td>
<td>Locations Mont Ten-Zen and Mont Ge-Zen</td>
</tr>
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<table>
<thead>
<tr>
<th>113 KM</th>
<th>J4ARRGP &amp; J4ARUZU</th>
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<tbody>
<tr>
<td>2020-06-20</td>
<td>ISDB-T J4ARRGP EM2020 TX at 150mw out J4ARRGP HV-J200 at 300 mw final out</td>
</tr>
<tr>
<td>Locations PM917LU (Nagata City) and PM969FV (Nozawa Onsen Ski Resort)</td>
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<table>
<thead>
<tr>
<th>463 KM</th>
<th>J4AUZ &amp; J4AOCE</th>
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<tbody>
<tr>
<td>2012-07-28</td>
<td>DVB-S protocol SR-Systems excitor Sr=6000 K/Sr</td>
</tr>
<tr>
<td>Locations Akita prefecture (Cord Wind M) and Toyama prefecture (M3.kozan)</td>
<td></td>
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<table>
<thead>
<tr>
<th>450 KM</th>
<th>HJ2BUC &amp; HJ3CQX</th>
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<tbody>
<tr>
<td>2005-06-21</td>
<td>Locations JN4OCT (Sarndis) and JN12QH (Spain)</td>
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<table>
<thead>
<tr>
<th>407 KM</th>
<th>M5DTSP &amp; G6UVZ</th>
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</thead>
<tbody>
<tr>
<td>2018-10-24</td>
<td>Intense tropo-ducting at bands, RB-ATV using DVB-S at 125 K/Sr &amp; 333 K/Sr locations IO5A4U (Darby Head) and IO508X (Hollybank Blagdon Hill)</td>
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<table>
<thead>
<tr>
<th>256 KM</th>
<th>PM6RE &amp; H6AFO</th>
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</thead>
<tbody>
<tr>
<td>2019-09-14</td>
<td>DVB-S at 333/5s using Portstown excitor - H6AFO w/ 5W and out and 16/m dish</td>
</tr>
<tr>
<td>Locations JN0JSU and JN5SNG reflections against Mont Blanc</td>
<td></td>
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<table>
<thead>
<tr>
<th>167 KM</th>
<th>J4ARRGP &amp; J4ARUZU</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020-08-10</td>
<td>ISDB-T protocol - 640AM OFDM FHD with self-made TX at 500mw final out locations PM969FV (Nozawa Onsen Ski Resort) and PM89RE (Murikami City)</td>
</tr>
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<table>
<thead>
<tr>
<th>444 KM</th>
<th>J4AOGA &amp; J4ARUZU</th>
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<tbody>
<tr>
<td>2012-07-28</td>
<td>Locations PM98UM and PM989W - DVB-S - AR Sys and SR-Systems excitors</td>
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<table>
<thead>
<tr>
<th>341 KM</th>
<th>J1L18L &amp; J1H1GE</th>
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</thead>
<tbody>
<tr>
<td>2011-08-06</td>
<td>Locations Mont Chokai-san and Mont Kamiyashirigata - DVB-S - SR-Systems Excitors</td>
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<table>
<thead>
<tr>
<th>287 KM</th>
<th>J4ARUZ &amp; J4AUZ</th>
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<tbody>
<tr>
<td>2016-08-02</td>
<td>ISDB-T J4ARUZ using XHA9E-2 TX - J4AUK using HV-J200 at 500mw final out locations PM969JU (Tottori City) and PM975AM (Hd Hotoda)</td>
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<table>
<thead>
<tr>
<th>167 KM</th>
<th>J4ARRGP &amp; J4ARUZU</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020-08-10</td>
<td>ISDB-T protocol - 640AM OFDM FHD with self-made TX at 500mw final out locations PM969FV (Nozawa Onsen Ski Resort) and PM89RE (Murikami City)</td>
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<table>
<thead>
<tr>
<th>5 KM</th>
<th>146 MHz</th>
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</thead>
<tbody>
<tr>
<td>400 KM</td>
<td>M5DTSP &amp; G6UVZ</td>
</tr>
<tr>
<td>2018-10-24</td>
<td>DVB-S at 333 K/Sr RB-ATV locations IO944U (Darby Head) and IO808X (Hollybank Blagdon Hill)</td>
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<table>
<thead>
<tr>
<th>403 KM</th>
<th>PHD to G4TV</th>
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<tbody>
<tr>
<td>2020-08-22</td>
<td>DVB-S2 at 125 K/Sr using H825 with FEC=1/2 on 144,600 Hz (100W into Yagi) locations Dordrecht, Netherlands and IO6K9US2RF (East Yorkshire, England)</td>
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<thead>
<tr>
<th>350 KM</th>
<th>PHJUCA to G4TV</th>
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<tbody>
<tr>
<td>2020-08-22</td>
<td>DVB-S2 at 125 K/Sr using H824 with FEC=1/2 on 145,300 Hz (80W into 4el Yagi) locations Amstelveen Netherlands and IO6K9US2RF (East Yorkshire, England)</td>
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<table>
<thead>
<tr>
<th>313 KM</th>
<th>G7TUSW &amp; G4CBW</th>
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</thead>
<tbody>
<tr>
<td>2018-07-14</td>
<td>In tropo-ducting H-264 video - 8W DVB-S protocol at 333 K/Symbs with Portstown tx &amp; MiniTourner rx with 4el yagi at G7TUSW &amp; G4CBW used DATV-Express to (7Wx) &amp; MiniTourner with 5-6el beam. - on 148.6 MHz - UK temporary band allocation locations ID7B4US3XP (Lann, N. le) and ID5368US3 (Newcastle-Under-Lyne)</td>
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<table>
<thead>
<tr>
<th>294 KM</th>
<th>G6JUIW &amp; G4L6ES</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-12-29</td>
<td>In tropo-ducting H-264 video - DVB-S protocol at 125 K/Symbs with DATV-Express and 9-10 el yagi at G6JUIW &amp; G4L1ES also used DATV-Express with 10-13 el x-yagi. Both produced 25W ERP. - on 148.5 MHz - UK temporary band allocation locations IO6E9R0 (Winter Hill) and IO69LC (Four Marks)</td>
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<table>
<thead>
<tr>
<th>167 KM</th>
<th>J4ARRGP &amp; J4ARUZU</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020-08-10</td>
<td>ISDB-T protocol - 640AM OFDM FHD with self-made TX at 500mw final out locations PM969FV (Nozawa Onsen Ski Resort) and PM89RE (Murikami City)</td>
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<table>
<thead>
<tr>
<th>154 KM</th>
<th>HW4CBWP &amp; HW3N9WP</th>
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<tbody>
<tr>
<td>2018-10-06</td>
<td>DVB-S at 333 K/Sr RB-ATV locations IO983D and IO94ML</td>
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<table>
<thead>
<tr>
<th>2.4 GHz</th>
<th>70 MHz</th>
</tr>
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<tbody>
<tr>
<td>230 KM</td>
<td>G4FRE &amp; G4RPE (one-way)</td>
</tr>
<tr>
<td>2018-12-27</td>
<td>DVB-S protocol - Pluto omr at 250 K/Symbs with FEC=7/8 &amp; 5-6 el beam locations Malvern (IO82U3C) to Isle of Sheppey (J91HKK)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>160 KM</th>
<th>G6GTZP &amp; G6RPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018-12-09</td>
<td>DVB-S protocol - Portdowns 125 K/Symbs SEC=7/8 &amp; 5-6 el beam on 71.0 MHz locations Win Green (IO80W1X) and Titterstone Clee (IO2QZ)</td>
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<table>
<thead>
<tr>
<th>136.6 KM</th>
<th>GB6PV &amp; GB4V</th>
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<tbody>
<tr>
<td>2018-09-14</td>
<td>H.265 video - DVB-S protocol at 333 K/Symbs with DATV-Express transmitter, MiniTourner receiver and 3-4 el yagi at both stations. Both transmitted 20W - on 71.0 MHz - UK temporary 4W beam allocation locations IO81D1QQ2 (Dunston Bessey) and IO81X9W0 (Cleeve Hill)</td>
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<table>
<thead>
<tr>
<th>50 MHz</th>
<th>70 MHz</th>
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<tbody>
<tr>
<td>228 KM</td>
<td>G4RRE &amp; G4RPE (one-way)</td>
</tr>
<tr>
<td>2018-12-26</td>
<td>DVB-S protocol - Pluto 250 K/Symbs with FEC=7/8 &amp; 5-6 el beam on 51.0 MHz locations Malvern (IO82U3C) to Isle of Sheppey (J91UK)</td>
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<thead>
<tr>
<th>140 KM</th>
<th>G4RPE &amp; G6GTZP</th>
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<tbody>
<tr>
<td>2018-04-06</td>
<td>DVB-S2 protocol at 250 K/Symbs with SEC=1/2</td>
</tr>
<tr>
<td>locations Titterstone Clee (IO2QZ) and Walbury (IO19G)</td>
<td></td>
</tr>
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**Known Digital-ATV DX Records**

by Ken W6HHC
OCARC Cash Flow - Year To Date
1/1/2020 through 11/13/2020

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