
The Short Circuit

<http://www.k6ox.club>



The official publication of the Antelope Valley Amateur Radio Club

September 2022

President's Corner

George Becker KC6UVM

The DAWG Daze of Summer are still with us and it seemed hotter this month. When this column was written on Labor Day, a recent SCE email suggested that this heat wave thrust upon us would last another week. It's also been said that this too shall end. Whenever the heat does decide to break, sooner than later hopefully, my coworkers at my office will be complaining that it's too cold... Hi, hi.

The controversial topic of what causes weather changes comes to mind. One popular theory is "Global Warming." Some may blame mankind/themselves. Others look at the Earth as part of a bigger system of interacting bodies. Or it may be a combination of multiple cyclical factors. For example, it could be believed the Sun helps to contribute to the heating/cooling of the weather system about our planet. As this column was written, Tamitha Skov (PhD), aka "The Space Weather Woman" on YouTube, predicted a slowing of sun induced weather and maybe things would cool down soon in the Northern Hemisphere. The triple digit temperatures have been doing a good job of keeping a large portion of the population indoors and the AC set low.

Depending on which part of the sunspot cycle we are in, the sunspot cycle can either enhance or degrade radio communications. Presently, things look calm for a while but the Sun could flare up. It has always been difficult to predict the weather. Bad weather such as lightning strikes has been known to interfere with AM radio reception. Understanding how your radio works is the part of the purpose of understanding how to read schematics. One of the simplest of receivers is an AM radio. While this may be a generalization, there are three stages in an AM receiver consisting of the tuner, detector and an amplifier. Telling you how an AM radio works is beyond the scope of this column. A simple search online or a trip to any public library may resolve your questions how a radio receiver works. Understanding how to read a schematic brings us to a topic of this month's presentation.

First, since we are now meeting back at the Quartz Hill Public Library for face-to-face meetings, we will eventually discontinue the use of Zoom with our club meetings. Second, at home during a Zoom meeting we could do things during the meeting that were not acceptable in public. Please remember some basic in-person meeting etiquette: Place your phone on stun and keep it put away during the presentation. Then, give the speaker your undivided attention.

This month we welcome back Loretta, AJ6HO our club secretary who will return to speak about her passion for 10 GHz radio and making microwave contacts. Please give her your full and undivided attention. Our face-to-face meeting will be September 22, 2022, at the Quartz Hill Public Library. We'll be at the Quartz Hill Public Library 1900 hours to open the doors for an Eyeball QSO and the club meeting beginning 1930. The pre-meeting dinner will be at El Toreo Far West off 40th Street West and Ave L after 1700.

After the presentation, we'll open nominations for officers and board members during new business. Think of who you feel will best lead AVARC out of COVID-19 and forward. See you all there.

73,

George KC6UVM

Meeting Notice

Thursday, September 22, is the next meeting of the AVARC at the Quartz Hill Library, 5040 West Avenue M-2. Talk-in is available on the Hauser Repeater (146.73 MHz. PL 100) if you need directions. Eyeball QSO starts at 7 pm, and the meeting starts at 7:30. This will be a hybrid meeting, both in person and on the Zoom online video app. Current members should have received the meeting invitation link via the email announcement of the July newsletter. If you are not a Zoom user, installation instructions can be found at: <https://zoom.us/signup>. Sign up for the free account, and it will then lead you to download and install the necessary plug-ins to join our meeting. If you are a guest or former member, please send an email to meeting@k6ox.club, stating your name, callsign (if any), and interest in the Club, and we will send you the meeting invitation link.

This month's presentation will feature our own **Loretta Smalls AJ6HO**, along with **Larry Johnston K6HLH**, who will give Part 2 of their presentation. Loretta will bring her entire set up and demonstrate how the RF signal generator is used to test out receive and how the harbor freight multi meter is used to test transmit strength. Be sure to join us for this fun and informative program!



Loretta AJ6HO and Larry K6HLH

From the Secretary's Desk



AVARC/K6OX
August 25, 2022

**General Meeting hybrid in person/
 Zoom**

Quartz Hill Library 19:30 hrs

Those Present: *in person* President George Becker KC6UVM Vice President Andrew Gippetti W2AJG Treasurer David Haberman AK6DH Secretary Loretta A Smalls AJ6HO (and co presenter) Board Member Dan Sherwood W6DAS Board Member Larry Mock KI6BKP Trustee Keith Hoyt K6GXO Ex Officio Mike Beckers K6YQO Short Circuit Editor Adrienne Sherwood WA6YEO Presenter Larry Johnston K6HLH

Via Zoom: Margie KG6TBR Chuck W2QLH Jeremy via iphone

Others Present: *in person* Tom KN6GLI Brian N6CVO Betsy AJ6AF Rodney KK6GOS Welcome back Pat Okawa KG6CGI Newcomer Tim and his Son Allan KJ6ZYQ Roland KB6WBO and Sharon Larry KJ6CJY Rodney KK6GOS Crystal KN6VFX

Meeting was called to order at 19:30 hrs by President George Becker KC6UVM

Motion to approve the previous club meeting minutes as taken by Secretary Loretta A Smalls AJ6HO was made by Keith Hoyt K6GXO and seconded by Allan KJ6ZYQ. All approved and motion carries.

The Presentation: The presentation started with Secretary Loretta A Smalls AJ6HO (that's me) bringing in the 10 GHz Down East Microwave 3 watt transverter, and all the schematics that came with all of it. With assistance from Larry Johnston K6HLH we focused on reading and understanding the schematics of the DEMI 10368-100 txvtr. It is important to note that when the txvtr came in the mail there is still 'some assembly required',

which includes attaching the ptt from the radio and also the 13.8 v power source.

It took me several months to get it all together but it all paid off on August 20 and 21 2022. Thanks to Mike Beckers K6YQO who let us set up at his property, we put this to the test on two very windy days and we made first contact on my 10GHz rig. This was an excellent beta test as we now know what went right and what went wrong. After the 10GHz contest was done for this weekend we took apart the mounting for the dish and other equipment to figure out how to make it sturdier. That was the major problem we were having this weekend was the wind and unsteady foundation that kept us drifting off frequency. We were constantly having to work the dish and the fx dial on the radio to keep the contact audible. In spite of all that this was a big success for me since I really did think this contest was going to be a huge bust. It worked out much better than I expected.

Club Business:

Treasurer's Report:

David Haberman AK6DH

Checking account: <As stated>
 August Deposits: <As stated>
 August Expenses: <As stated>
 Cash on hand: <As stated>
 Total: <As stated>

Total Members: 43 regular, 13 life; total 56
 % ARRL members: 95%

Old Business:

George has the quotes for our Polo shirts which are at \$45 per shirt and we need to place the order for at least 16. We will be collecting for these shirts at the next club meeting. The shirts will be a beautiful blue color that is not too dark yet still highlights the logos very nicely.

We could still use some folks to step up as NCOs.

We could also use some volunteers for officers and board members. We still do not have a Master At Arms. Nominations are September 22 and we will definitely need a new President as George KC6UVM terms out. We have been without a Master At Arms for some time, so please volunteer and help our club stay aloft.

New Business:

We do have the library for September.

We are also looking for great project ideas to involve the club and perhaps attract others to join.

Next club meeting will be nominations and it will not be a hybrid, we encourage all to attend in person. No Zoom.

Future Presentations:

See board meeting minutes below.

Other Announcements:

The Acton Agua Dulce ARC is giving technical license classes starting Sept. 15. GLAARG testing to follow on October 6. Here is the link for the details; <http://aadarc.org/technician-license-class.html> You do not have to take the class for the test but you do have to register for the test ahead of time via https://glaarg.org/exam_sessions/ and scroll down to the Oct. 6 session.

50/50 drawing was won by Larry Mock KI6BKP

Motion was made to adjourn the meeting by Brian N6CVO and seconded by Larry KI6BKP. All approved and motion carries, meeting adjourned at 21:20 hrs. 73 all

AVARC/K6OX

Board Meeting for September 5, 2022

11:00 A:M Foxy's Landing Fox Field

Those Present:

President George Becker KC6UVM Secretary Loretta A Smalls AJ6HO Treasurer

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Secretary's Desk...



(Continued from page 2)

David Haberman AK6DH Board Member Dan Sherwood W6DAS Board Member Larry Mock KI6BKP Ex Officio Mike Beckers K6YQO Dan N6SLC and a happy birthday to him. We had a great lunch and birthday cake. AI N6JZ

Meeting called to order at 11:11 by President George Becker KC6UVM

Motion was made to approve previous board meeting minutes as taken by Secretary Loretta A Smalls AJ6HO by Larry KI6BKP and seconded by Keith K6GXO. Motion approved by all present and motion carries.

Treasurer's Report

David Haberman AK6DH

Checking: <As stated>
 Cash On Hand: <As stated>
 Income:
 August Deposits <As stated>
 Payments: <As stated>
 Total: <As stated>
 Club members: 56 includes 13 life members
 ARRL %: 95 %

Old Business:

Polo Shirts who wants one and when to bring in the money. The color will be a beautiful blue, and the shirts will be \$45 per shirt. We need to put in an order of at least 16 shirts and we will ask for the money at the next club meeting on September 22.

We need volunteers for net control, officers and board members.

We are still unsure of the Blend Church for our Christmas party. Another venue? What about Thanksgiving?

New Business:

We discussed having more

projects and activities to attract previous and new members, which includes bringing back our slow speed CW net to Thursday evenings at 7:00 P:M except for club meeting nights and holidays. I am working on this format and hope to get this going once again on 80 meters 3.935.0. We will keep it short and sweet like a contest, and hopefully encourage more folks to get interested in Morse code.

During any presentation it is common courtesy to listen to the speaker and try not to doze off or be on your phone most of the time. They will notice and may not want to come back. It is just as important to mute your microphone if on Zoom during the presentation to prevent interference from background noises.

Announcements:

Kawika passed away who was our best advocate for our ARES at the AV Hospital. I don't know what we are going to do without him.

Future Presentations:

September 22 Loretta A Smalls AJ6HO part two of the 10 GHz project; making contact.

Nominations for our officers and board members;

Current

President George Becker KC6UVM
 Vice President Andrew Gippetti W2AJG
 Treasurer David Haberman AK6DH
 Secretary Loretta A Smalls AJ6HO
 Master At Arms none
 Board Member Dan Sherwood W6DAS
 Board Member Larry Mock KI6BKP
 Ex Officio Mike Beckers K6YQO
 Trustee Keith Hoyt K6GXO (appointed)
 Historian Bob Holland KG6DHQ (appointed)

October 27 Election night, Anchors away/boat anchor night.

November 17 a week early due to Thanksgiving and our speaker is Chuck Higgins with NASA's Radio Jove project especially for young folks. No license needed for this project but it is to hopefully get young folks interested in radio astronomy and eventually amateur radio.

December 15 a week early due to Christmas. Speaker will be Diane Feinberg AI6DF.

January 26, 2023 will be at the Quartz Hill Library with a new President giving the state of the club address, and welcoming new/returning officers and board members.

February 23, 2023 TBD

At this board meeting which was at Foxy's Landing at the Fox Field Airport a couple of really good ideas came up for presentations. One was about amateur radio on board aircraft while in flight, and how to place antennas. Another one was antenna placement on vehicles.

Other Announcements:

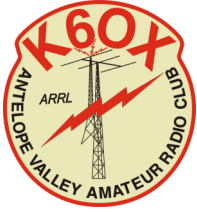
Short Circuit articles are due by September 13

Next club meeting is September 22 at Quartz Hill Library 19:00 hrs.

Next board meeting is October 3 19:00hrs via Zoom.

Ham exams are via GLAARG but there will be an in person session October 6 18:00 hrs at the Acton Library. You must register ahead of time via GLAARG.

Motion was made to adjourn the board meeting by me Loretta AJ6HO and seconded by Mike K6YQO. Motion was approved by all present and motion carries. Meeting adjourned at 11:38. Time to blow out the candles and wish Dan N6SLC a happy birthday.



Antelope Valley Amateur Radio Club 2022 Officers

President	George Becker	KC6UVM	478-0818
Vice President	Andy Gippetti	W2AJG	433-2106
Secretary	Loretta Smalls	AJ6HO	350-7039
Treasurer	David Haberman	AK6DH	917-4594
Master-At-Arms			
Board Member	Larry Mock	KI6BKP	943-6736
Board Member	Dan Sherwood	W6DAS	480-5227
Trustee	Keith Hoyt	K6GXO	533-4025
Ex Officio	Michael Beckers	K6YQO	805-906-9555



AVARC board meetings are held on the first Thursday of each month. All members are welcome to attend, although they should let the president or another officer know that they are planning to attend, as the meetings usually include a pot-luck dinner at the home of one of the officers.

The club net is on Wednesdays at 8:00, on the Hauser repeater (146.73 MHz PL 100). The net includes Amateur Radio Newslines, and all members and guests are invited to check in.

The Antelope Valley Amateur Radio Club K6OX
 Post Office Box 1011
 Lancaster, CA 93584-1011

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To ARS:



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