

The Short Circuit



<http://www.k6ox.club>

The official publication of the Antelope Valley Amateur Radio Club

November 2022

President's Corner

George Becker KC6UVM

November came upon us fast. Just a while ago it seemed everyone was baking in the extreme heat during Field Day and then complaining about the cost of electricity. Now, it's cooling down and looking to the southeast, the lights are coming on at the mountain ski resort of Mountain High near Wrightwood, CA. Word has it, Mountain High's opening day is November 19, 2022. The web cams show them making snow. Never been much into downhill skiing. It was cross country skiing as a younger adult. Only problem with me and downhill skiing is Newton's Law about a mass in motion. Then there is the abrupt stop against a tree. Splinters upon impact hurt. Ow, that stung a bit... The George of the Jungle tune comes to mind. Hi, hi. Therefore, if there is gear that could fit me, it would be the bunny slopes for me. You'd never find me taking on any triple diamond run....

Are you ready for a cool Fall and cold Winter? Think of the comparison of a Sine and a Cosine wave traveling on a two-axis graph consisting of time versus magnitude. When the electric bill is high then the gas bill is low and vice versa. Right now, it seems like the Sine and Cosine waves have meet at the zero point. Now it's time to get ready for winter and do the best we can to minimize the Gas bill.

Thinking of Time. Have you given it any thought? Such as "How time flies?" or "What time is it?" or even "Is it time yet?" There's always this one: "Are we there yet?" Then, if you have organizational skills: Time is what you make of it. Work expands to fit the time allotted or a stich in time saves nine. How about the time it takes for light to get from a faraway distance to earth. Is looking at a star in a telescope like looking back into time?

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Meeting Notice

Thursday, November 17, is the next meeting of the AVARC at the Quartz Hill Library, 5040 West Avenue M-2. *Note that the meeting is on the third Thursday, due to the upcoming Thanksgiving Day holiday.* 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 meeting will feature Dr. Chuck Higgins of NASA's Radio JOVE project. Radio JOVE is an education and outreach project intended to give students and other interested individuals a hands-on experience in learning radio astronomy. This promises to be a fascinating program which you will not want to miss, so be sure to mark your calendars and join us!



Dr. Chuck Higgins

From The Veep

Andy Gippetti W2AJG

CA Great Shakeout 2022 Drill

On Saturday October 22, 2022 the High Desert District Amateur Radio Emergency Service group participated in the California 2022 Great Shakeout drill. The purpose of the drill was to practice field deployment after a major earthquake had accorded with major infrastructure damage which included the loss of electricity and all phone service.

The team set up in a field outside of Knight High School in Palmdale. HF and VHF antenna equipment were assembled so communication could be done using local and distant Winlink Gate Ways. The team followed a script written by Brian Basura N6CVO, to simulate emergency traffic from local hospitals and emergency facilities. This included hospital bed availability and damage reports as well as "Didi You Feel It" reports sent to the United States Geological Survey.

Participants included Brian Basura N6CVO, Jed Dyke N6JED, Dan Sherwood W6DAS, Loretta Smalls AJ6HO, Adrienne Sherwood WA6YEO, Raymond Hart KN6DPI, Chuck Tedeschi W2QLH, Larry Mock KI6BKP, and Andy Gippetti W2AJG.

Except for very high winds and blowing sand, the drill was a complete success and all goals for the exercise were achieved and it turned out to be a major learning experience for all.



Field Setup for the Great Shakeout

From the Secretary's Desk



Antelope Valley Amateur Radio Club K6OX General Meeting Via Zoom October 27, 2022 7:00 PM

Those present:

President George Becker KC6UVM
Vice President Andrew Gippetti W2AJG
Treasurer David Haberman AK6DH
Secretary Loretta A Smalls aAJ6HO
Board Member Larry Mock KI6BKP
Board Member Dan Sherwood W6DAS
Short Circuit Editor Adrienne Sherwood
WA6YEO Ex Officio Mike Beckers
K6YQO

Others Present:

Paula Gebault N6OQQ and Mike Gebault
N6PYM Tom KN6GLI Margie
KG6TBR Brian N6CVO Betsy AJ6AF
Chuck W2QLH Yoshio KE6ACH

Meeting called to order by President
George Becker KC6UVM at 19:29 hrs.

The Presentation: December Ridge Rally

Thank you Paula and for sharing with us the events on December Ridge Rally to take place at Jawbone Canyon. This location is off of the 14 freeway North going towards the 14/395 intersection. If you want to volunteer go to <https://www.rallydata2.com/>, click on 'Ridge Rally Dec 2-3 2022' then 'select if you are new to volunteering'. The green box follows that up if you need to establish a membership or to log in if you already have one. This is about real cars, real roads, and real fast. Let's not forget real fun. You can go there also to learn more about this and other events.

This event is a lot like Baker to Vegas but much closer to home, and camping out is not necessary. Instead of runners we will get to watch racers in vehicles that have been built up for an off road race. Our

own Dan Sherwood W6DAS had been a co-driver in this race, and many of our members have participated in this event before. Not only is this event closer to home it looks like so much fun. We get to be up close to see these drivers and these race cars, to hear the roar of the engines, and the radio chatter.

What is the Ridge Rally? It is a performance rally where the cars are operated by a driver and a co-driver. The cars are production based cars and have to be street legal for this type of event as the route does include public thoroughfares and highways. So these vehicles have to be licensed and insured. They also have to have upgraded suspensions, five point harness, seats and roll cages. Other safety items include first aid kit, fire extinguisher, helmet, nomex suit, head and neck restraints, and OK and SOS signs.

This is a timed event where the times are tabulated from start to finish. The times include transition times between stages, and service stops. The team with the lowest number is the winner. The Driver must have a Co-Driver. The Co-Driver is the navigator, and also steps in to give the Driver a break. The job of the Co-Driver is no small task. They generally handle team organization, read the route book and stage notes, timecard controls and most of all make sure the Driver remains focused and consistent. This includes advising the Driver about turns, dips, service stops, stages at public roads and highways etc... What does the Driver do? DRIVE. As fast as they can.

What do the hams do? Amateur radio operators or licensed GMRS will huddle around 0700 at the HAM area where we will be directed to our stage areas. We will be the folks who block public access roads while the course is declared 'hot'. We will probably have to interact with the public as

to why the road is blocked. We will have a permit and it will be approximately for three hours but most will be happy to stand by and watch the race. We will also be the ones who call in the event of a missing car, or any emergency. Starting at 0800 the course will open up with cars labeled '000' then '00' who make sure the course is set up and ready to go before car '0' checks the course at speed. This is when the course is declared HOT and at 10:00 AM the first car starts. We will hear something like this; "sequence 1, car #5". Very similar to Baker to Vegas' early warning hams alerting the timing tables.

There is a "Comm Captain" who runs the stage comms, usually on a simplex frequency. The 'Start Radio' reports each car's sequence and number at the starting area. The Comm Captain will repeat this info. The 'Finish' Radio reports each car number as they finish. Hams will copy info from the Start Radio, log each car and time as they pass our stage. We need to report any cars that arrive out of order to the Comm Captain on simplex. The Captain will start contacting other hams as to the whereabouts of a missing car. This is where another competitor comes in to report the missing car. The next competitor after that one will be the one to go to the ham table to report the status of the missing car. Here is also where the 'OK' and 'SOS' signs come in. 'OK' is usually when they are just changing a tire and no medical help is needed. The 'SOS' is self-explanatory, and if EMTs are needed there is always one there at the start of the race.

What equipment will we need? Dual band 2meter/70cm radio with mag mount antennas or masts are preferred but HTs will work too in some locations. I think we all know to bring our manuals for all the equipment, and basic quick fixes like electrical tape and extra fuses, pens, pencils,

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Secretary's Desk...



(Continued from page 2)

notebooks, spare tires. Good flashlights with spare batteries, fire extinguisher, first aid kits, toilet paper, paper towels, a shovel, and lots of snacks and water. You know, the usual stuff we bring for deployments, field day, and other activities. It might be cold, it is December 3, so dress accordingly and bring extra blankets.

Rally racing is very popular all over the world and on many different types of road surfaces, including dirt and gravel which is mostly where we will be. We will see a variety of vehicles mostly Mitsubishis and Subarus but there will be some other cars there. These cars can go over 100 mph on some of the straight aways. The videos that Paula showed us made this look like so much fun, and I know a number of us have already signed up. Look for Paula's Zoom meeting about a week before the rally. Thank you Paula and Mike for the presentation and for inviting us to participate in this event. We look forward to it.

Club Business:

Motion was made to approve the minutes from previous minutes as taken by Secretary Loretta A Smalls AJ6HO on September 22 by Mike Beckers K6YQO and seconded by Margie KG6TBR all approved and motion carries.

Treasurer's Report:

David Haberman AK6DH

Checking:	<As Stated>
Cash On Hand:	<As Stated>
October Deposits:	<As Stated>
October Expenses:	<As Stated>
Total:	<As Stated>
Membership:61 which includes 13 life members	
ARRL total:	92%

Old Business:

Nominations, any revision or shall it stand as is? No revisions so elections will continue with the nominations as already posted.

Status on shirts is still pending as we look for an affordable vendor.

NCO needed for the second Wednesday of the month, script can be downloaded from the K6OX website. Betsy AJ6AF has the first Wednesday, Loretta AJ6HO has the third and fourth, we just need someone for the second one.

New Business:

Secty of State filings to be tabled for the next board meeting.

Officer and Board Member new roster:

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 position)
Historian	Bob Holland KG6DHQ (appointed position)
<u>Board Club Historian:</u>	Bob Holland KG6DHQ (appointed position)

New

President	Andrew Gippetti W2AJG
Vice President	Loretta A Smalls AJ6HO
Treasurer	David Haberman AK6DH
Secretary	Pat Okawa KJ6CJI
Master At Arms	Tom Kane KN6GLI
Board Member	Dan Sherwood W6DAS
Board Member	Brian Basura N6CVO
Ex Officio	George Becker KC6UVM
Trustee	Keith Hoyt K6GXO (appointed position)

position)

Historian Bob Holland KG6DHQ (appointed position)

Thank you all for volunteering your time and energy into these positions. Everyone has talent and skills that enhance our radio club and help keep it going. Congratulations to those newly elected and we look forward to what the new year brings.

Announcements:

Short Circuit articles are due by November 9.

Online testing continues until we can find an in person venue for testing. Go to <https://glaarg.org/> for remote testing.

The next board meeting is via zoom on November 7 at 19:00 hrs.

The next club meeting is November 17 at the Quartz Hill Library hybrid session. Eyeball QSOs start at 19:00 hrs meeting at 19:30. Speaker is Chuck Higgins for Radio Jove.

Future Presentations:

December 17, 2022 will be our Christmas Party at The Blend Church with Diane Feinberg AI6DF

January 26, 2023 State of the club address with our new President.

Other Items:

Members present tonight: 15

No 50/50 drawing.

Meeting adjourned at 21:51

AVARC Board Meeting

November 7, 2022 via zoom 19:00 hrs

Those present:

President	George Becker KC6UVM	Vice President	Andrew Gippetti W2AJG
Treasurer	David Haberman AK6DH	Secretary	Loretta A Smalls AJ6HO
Board Member	Dan Sherwood W6DAS	Ex	

President...

There are two types of telescopes. The first is a telescope that takes light and lenses/mirrors to visually focus on a distant point of light. From Wikipedia, "A telescope is a device used to observe distant objects by their emission, absorption, or reflection of electromagnetic radiation. [1] Originally meaning only an optical instrument using lenses, curved mirrors, or a combination of both to observe distant objects, the word telescope now refers to a wide range of instruments capable of detecting different regions of the electromagnetic spectrum, and in some cases other types of detectors." The disadvantage of this type of telescope is one of its limitations is it can only be used during the night to see the stars.

Then there is another type of telescopes. Radio telescopes. Radio telescopes use antennas and receivers to view the sky during anytime of the day. For those that have internet access, here is the Wikipedia page that is being referenced. https://en.wikipedia.org/wiki/Radio_telescope

Lastly, the subject of this month's AVARC club meeting. We invited Chuck Higgins from Radio Jove to speak about a project that can involve anyone that would like to join. The only requirement is a SDR receiver, space for a dipole antenna and software. For more information on Radio Jove, the Radio Jove home page is: <https://radiojove.gsfc.nasa.gov/>

The meeting is one week early on November 17th, 2022, due to the Thanksgiving holiday the next Thursday. The meeting location will be at the Quartz Hill Public Library for a hybrid Zoom meeting. Doors will open about 1900 hours for an Eyeball QSO and the meeting will start at about 1930 hours. Don't forget to join us at El Toreo FAR WEST for supper about 1700 off of 40th Street West and AVE L across from the Vons Market. Wishing everyone an enjoyable Thanksgiving.

73,

George KC6UVM

Secretary's Desk...



Officio Mike Beckers K6YQO

Others Present:

Tom KN6GLI Mark W6WML

Meeting called to order by President George Becker KC6UVM at 19:02 hrs.

Motion was made by Mike Beckers K6YQO to approve previous board meeting minutes taken by Secretary Loretta A Smalls AJ6HO as printed in The Short Circuit with a correction. Seconded by Dan Sherwood W6DAS and approved by all and motion carries. The correction is the misspelling of Mark W6WML's wife's name. It is not Cassie, it is Kathy. My sincerest apologies for my error.

Treasurer's Report

David Haberman AK6DH

No change from previous meeting.

Old Business:

Club shirts still pending

Need NCO at least for the second Wednesday of the month.

New Business:

David AK6DH will look into our Secretary Of State paperwork. David will also take care of our membership with <https://laacar.org/>. Thank you David for looking out for us.

Future Presentations:

This November 17 will be Chuck Higgins with Radio Jove.

December 16 will be Diane Feinberg AI6DF at our Christmas party at The Blend Church.

January 26, 2023 Will be our State Of The Club Address.

February 23, 2023 If there are no speakers lined up we want to welcome our members to do a 5 minute, or more if there are not a lot of speakers, to share their ham radio accomplishments, projects, and any new toys that we might learn about.

March 23 2023 Loretta AJ6HO will be doing a presentation on CW; fun ways to learn on line such as Morse Code Ninja and Learn CW Online, different contests for slow speed, medium speed, and also faster speed. It is actually fun to learn morse code, and perhaps we could have our own local net.

We welcome any ideas for speakers.

Announcements:

Dan W6DAS got some really cool stuff for our Christmas raffle.

Short Circuit articles due by November 9.

Next club meeting is November 17 a week early due to Thanksgiving Holiday.

Next board meeting is December 12 via Zoom at 19:00 hrs.

So far no in person testing but on line testing is still available via <https://glaarg.org/>.

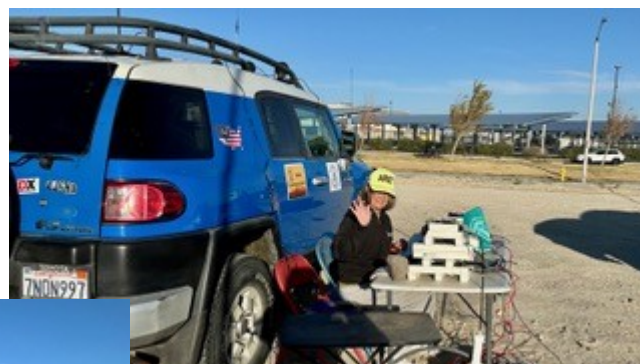
Motion was made by Secretary Loretta A Smalls AJ6HO to adjourn the meeting. Motion was seconded by Dan Sherwood W6DAS and approved by all. Motion carries and meeting was adjourned at 19:52 hrs.

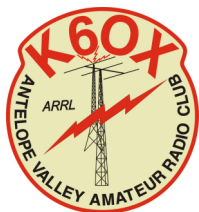


The Great Shakeup Drill October 22, 2022



Larry Mock KI6BKP, Raymond Hart KN6DPI, Dan Sherwood W6DAS, Jed Dyke N6JED, Loretta Smalls AJ6HO, Brian Basura N6CVO with Charlie, and Andy Gippetti W2AJG





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
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