

The Short Circuit



<http://www.k6ox.club>

The official publication of the Antelope Valley Amateur Radio Club

November 2021

President's Corner

George Becker KC6UVM

The weather outside almost feels like Fall outside. It's amazing how time flies. With the time change, it's getting dark earlier. But it won't last long, before you know it, we'll all be complaining about how hot it is outside. This month is a time to give thanks for the people around you and to help contribute to organizations/others who give to those most in need. And mostly, to be thankful for what we have.

As said before, there are many different groups in ham radio. All have one thing in common: Antennas. To get our signal out, you need an antenna. How it is done is another story and probably the subject of many books and columns. More than I could count with all my fingers and toes. For some, it is a simple wire to do the job. For others, it may be huge, giant arrays that could take up a city block or more. Then, with a large group of hams, compliance with a HOA is a must. One commonality of all antennas is getting them to work, transmit our QSOs and hopefully with some gain.

This segues into the topic of our meeting on November 18, 2021, featuring Steve Molo with GigaParts. Steve will be speaking on antenna analyzers and how the antenna analyzers are used to check antennas for a match to a radio. Antenna

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Meeting Notice

This month's meeting will be held on **Thursday, November 18 at 7:30PM, both IN PERSON and also via the Zoom online video app.** Note that the meeting is on the third Thursday, due to the upcoming Thanksgiving Day holiday. Current members should receive the meeting invitation link via the email announcement of the October 2021, or any other recent 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.

Please note that AVARC has resumed in-person meetings. Although the normal meeting place is the Quartz Hill Public Library, we have temporarily moved the location to the BLEND Church, 1702 East Avenue J, due to internet connectivity issues at the library.

This month's meeting will feature **Steve Molo KI4KWR**, who will give a presentation on antenna analyzers. He will be showing Rig Expert, MFJ, NanoVNA, and possibly another if R&D is complete by next week. You can read more about Steve in this month's Vice President column. It should be a very interesting and informative talk, so be sure to mark your calendars and join us on the 18th!



Steve Molo KI4KWR

From The Veep

Andy Gippetti W2AJG

Steve Molo, KI4KWR

Steve has been active in radio communications for close to 30 years, starting in a REACT group in Pennsylvania.

Following graduation from high school, he enlisted in the United States Navy as a Radioman, reaching the rank of Chief Petty Officer before returning to civilian life.

Steve discovered amateur radio in 2005 while in the Navy and living in Portsmouth, Virginia. In 2013, he moved to New Jersey, where became very active with the South Jersey DX Association and participated in 160-meter contests with both the N2CW and W2GD teams, placing in the top five several years straight and occasionally in first place.

Since January 2019, Steve has worked for GigaParts in Huntsville, Alabama, as Brand Ambassador for all brands offered by the company. After work, he can generally be found on HF from his home in Madison, Alabama, chasing contacts and rare DX. Steve is currently vice president of the North Alabama DX Club and a member of Alabama Contest Group, Huntsville Amateur Radio Club and several others.

From the Secretary's Desk



Antelope Valley Amateur Radio Club/ K6OX

General Meeting October 28, 2021
BLEND Christian Church
1702 East Ave. J Lancaster, CA. 93535

The AVARC general meeting was called to order by President George Becker KC6UVM at 19:31 hrs., followed by the pledge of allegiance and introductions.

Those present were; President George Becker KC6UVM Vice President Andy Gippetti W2AJG Treasurer Matt Stewart K6MES Secretary Loretta A Smalls AJ6HO No Master at Arms Board Member Dan Sherwood W6DAS Board Member David Haberman AK6DH Trustee Keith Hoyt K6GXO Ex Officio Mike Beckers K6YQO Short Circuit Editor Adrienne Sherwood WA6YEO and the presenter Dennis Kidder W6DQ and Lisa KF6QNG

Larry KI6BKP Margie KG6TBR Allan KJ6ZYQ Frank N6FOD Dianne K6DER Vince K6ECV Betsy AJ6AF Frank KN6RIA by one unidentified phone participant Gary KM6DMM Mark W6WNO and Cathy Craig KI6WYH John KN6VL

This was our first hybrid in person/zoom meeting and it went well. There were 25 total check ins 11 of them on zoom. This was directly after Dan's W6DAS presentation to the RatPac on our ARES deployment at the Antelope Valley Fairgrounds last year. That also went very well and Dan deserves a lot of kudos for putting together a very professional and interesting RatPac presentation. Thank you Dan and thank you everyone who contributed data and photos for this presentation. Very well done.

Tonight's presentation is on Radio Astronomy, and what a great presentation it

was. Thank you Dennis W6DQ for putting this together for us, it is a fascinating topic and the photos were stunning. Dennis has been working on radio astronomy since he was a kid, so it is no wonder he knows so much about it. Let's begin with the radio spectrum that radio astronomy uses. Well, pretty much the entire spectrum including the microwave bands. When did this all start? With Karl Jansky in 1931 as he was exploring HF noise sources while working for Bell Labs. It was then that the noise or 'hiss' being heard actually came from the core of the Milky Way Galaxy. It is said that much of the noise heard on radio astronomy can be linked to the origins of our galaxy. I found this interesting site about Jansky, often considered the father of radio astronomy, here; <https://nationalmaglab.org/education/magnet-academy/history-of-electricity-magnetism/pioneers/karl-jansky> as well as the Karl Jansky Very Large Array here; <https://science.nrao.edu/facilities/vla>.

Picking up where Jansky left off was Grote Reber, amateur radio operator and radio astronomer who built a 9 meter dish in his back yard and began mapping the sky at 160 MHz. How many of us would just LOVE to have that in our back yard? me me. For more on Grote Reber I found the following; <https://www.nist.gov/blogs/taking-measure/grote-reber-radio-astronomer> and on more of his publishings; <https://www.nrao.edu/archives/collections/show/743>.

I encourage everyone to attend future presentations about radio astronomy, there is so much to this. Those who have gotten involved with Microwave already have a good idea of what is involved, and how much more to amateur radio there is than just talking through a mic.

Thank you again Dennis W6DQ for an-

other awesome awesome presentation. I have emailed everyone on a list of other resources that Dennis has put together for us. Now back to business.

Motion to approve the minutes from previous club meeting on September 28, 2021 as printed in the Short Circuit was made by Frank N6FOD and seconded by David AK6DF and approved by all. Motion carries.

Treasurer's Report Matt Stewart K6MES

Checking:	<As stated>
Cash on Hand:	<As stated>
Total:	<As stated>
Members:	56
ARRL %	80.2 %

Old Business:

Still would like to see more folks volunteer to do the Wednesday night nets on Hauser at 20:00 hrs. Those who can also do Newline report would be appreciated as well but just being Net Control is really what we need the most.

New Business: ELECTIONS

Elections are completed and the following officers and board members are as follows;

George Becker KC6UVM President
Andrew Gippetti W2AJG Vice President

David Haberman AK6DH is now Treasurer
Loretta A Smalls AJ6HO Secretary

Board Members are Dan Sherwood W6DAS Larry Mock KI6BKP Margie Hoffman KG6TBR

We still do not have a Master at Arms and

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President...

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analyzers are a tool that helps you physically tune an antenna and check the entire antenna system. Steve will be presenting to the club via Zoom and members have the opportunity to be at the meeting or check in to the meeting using Zoom. A link will be emailed to all members.

The AVARC meeting will be held at The Blend Church formerly known as the AV 1st Christian Church. The location is on the SE corner of 17th Street East and Avenue J across the street from the gas station near the Wal Mart in Lancaster. The eyeball QSO starts at 7:00 PM with the meeting beginning at 7:30 PM. Hopefully, we'll see you all at the meeting. Those that can't join us at the meeting, can check in via Zoom.

I wish you all a blessed Thanksgiving.

73,

George KC6UVM



Secretary's Desk...

(Continued from page 2)

are looking for volunteers. Motion was made to accept by acclimation the new officers and board members was made by Adrienne WA6YEO and seconded by Betsy AJ6AF and approved by all. Motion carries.

Announcements:

Short Circuit articles are needed by 11/9/2021.

Next exam is Saturday 11/6/2021 at 10:00 A:M at the Blend Christian Church (formerly First Christian Church of Lancaster) 1702 E. Ave. J across from the WalMart on J and 17th St. East. VEs please, if you have not already done so register with <https://examtools.dev/>. But first you will have to register to get a 4 digit pin from <https://hamstudy.org/register>. Online fully remote testing is also available at <https://glaarg.org/>.

The next AVARC board meeting will be in person also at the church on 11/6/2021 immediately after the test session.

The next club meeting will be 11/18/2021 a week earlier than normal due to the Thanksgiving holiday. Our speaker will be Steve Molo KI4KWR from Gigaparts to discuss antenna analyzers. This will again be a hybrid in person/zoom session at the Blend Christian Church. Eyeball QSOs at 19:00 hrs, meeting at 19:30hrs.

Future Presentations:

December 17, 2021 is our Christmas party at the Blend Christian Church. We hope to get confirmation from Diana Feinberg AI6DF to give her annual presentation. Always a pleasure to have her there.

January 27, 2022 George Becker

KC6UVM will deliver the state of the club address.

February 24, 2022 Margie Hoffman KG6TBR on Baker to Vegas.

March 24, 2022 Open to suggestions and we will be preparing for Baker to Vegas if it is still a go.

April 25, 2022 Open to suggestions and also discussing how Baker to Vegas went.

May 26, 2022 we are hoping to dedicate this month to youth on the air.

June 23, 2022 will probably be all about Field Day.

Other Items:

Members tonight were 25, 11 of them were on Zoom or a combination of Zoom and in person.

There was no 50/50 drawing as we have no master at arms yet. It is the Master at Arms who is in charge of the meeting snacks, the raffle tickets, and the vote ballots.

Motion was made to close the meeting by Mike Beckers K6YQO and seconded by David Haberman AK6DH. All in favor and motion carries. Meeting adjourned at 21:21 hrs.

73 all

Your Secretary

Loretta A Smalls AJ6HO

**Antelope Valley Amateur Radio Club
November 6, 2021 Board Meeting
at The Blend Church 1702 East Ave. J
Lancaster, CA. 93535**

Meeting called to order by President George Becker KC6UVM at 10:42 A.M. This was after the 0900 VE testing that was a successful BETA test of the hybrid

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Secretary's Desk...



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Hamtools and in person test session.

Those present were; President George Becker KC6UVM Vice President Andy Gippetti W2AJG

Treasurer Matt Stewart K6MES Secretary Loretta A Smalls AJ6HO

Board Members Dan Sherwood W6DAS and David Haberman AK6DH

Short Circuit Editor Adrienne Sherwood WA6YEO Trustee Keith Hoyt K6GXO

Ex Officio Mike Beckers K6YQO and Dianne Beckers K6DER and Dan Schrader N6SLH

Motion to approve previous board minutes was made by Andy W2AJG and seconded by David AK6DH. Motion was approved by all and motion carried.

Treasurer's Report; Matt Stewart K6MES

Checking account;	<As stated>
Cash on hand;	<As stated>
Total;	<As stated>
Membership;	56
ARRL %	80.2%

Old Business:

We will submit the application once again for the Quartz Hill Library for fully in person meetings starting January 27 2022. Hopefully by then their internet issues will be worked out. Of course by January it is not likely we will require a zoom link at that point anyway, but we will finish off this year with the hybrid in person/zoom meetings at the Blend Church,

Our annual Christmas Party is this coming December 17th at the Blend Church at 18:30 hrs. We are still hoping to get Dianne Feinberg AI6DF to do her presentation. There will be a raffle, door prizes, and the club will provide paper plates, utensils, cups, coffee and other drinks. We

will discuss who will bring what for the pot luck at the November 18th meeting.

We still do not have a Master at Arms for our club so we are still looking for someone to volunteer to fill this spot, as well as someone to be net control for our Wednesday evening net.

Speaking of raffle prizes they have already been picked up and we stayed well within the budget so make sure you are caught up on your membership and get your tickets.

New Business:

We have already started discussions about Field Day next year, including looking for a different venue. The heat was a little much last year so if we do Rawley Duntley Park again we will need to find creative ways to stay cooler. Other parks that might be in a cooler area are either far to drive, or there are other radio clubs to compete with for space so we will stick with Rawley Duntley.

We also discussed the GOTA station and bringing in the club antenna, and radios brought by club members. We hope to get more young folks involved in amateur radio and I am hoping to get a response from NASA to do a presentation for the month of May 2022 to talk about Radio JOVE.

Speaking of young folks we were asked to do a presentation to the Young Marines of Santa Clarita. We don't know when this will be but it is in the talks to give a presentation either in Santa Clarita or invite them to our May 2022 club meeting if we can get NASA to come do a presentation about Radio Jove. If we can confirm NASA for May we encourage members to bring their kids, grandkids, nieces, nephews, etc...On this one we may want to make it a zoom hybrid.

Future Presentations:

The same as above in the club meeting minutes except for March we are working on having Raymond Hart KN6DPI share his experiences with the L.A. Marathon.

For May we are still hoping to get NASA to do a presentation about Radio Jove and also invite other young folks like the Young Marines to attend and also invite them to our field day.

I finally received the 10 GHz transverter from the Downeast Microwave Society. I returned the loaner equipment from the San Bernardino Microwave Society and I had a blast with it. Alas, it is someone else's equipment and I was anxious to get started on my own. I am documenting the steps toward launching my very first microwave radio using an old dish network antenna, a Yaesu FT 818 ND, the Downeast transverter, and other stuff. Lots of other stuff. This particular presentation will be determined as soon as I figure it all out, and I will be more than happy to share.

Announcements:

Short Circuit articles are needed by November 9.

Next club meeting is November 18 at the Blend Church eyeball QSOs at 19:00 hrs meeting starts at 19:30 hrs.

Next exam will be December 13 at 19:00 hrs at the Blend. Bring your Hamtools and your laptops as this will be another hybrid session.

Next board meeting is December 13 at 18:00 hrs at the Blend before the test session.

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Secretary's Desk...

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Motion to adjourn the meeting was made by George KC6UVM and seconded by Loretta AJ6HO and approved by all. Motion carries and meeting was adjourned at 11:31

73 all

Your Secretary

Loretta A Smalls AJ6HO

Antelope Valley Amateur Radio Club 2022 Officers

President	George Becker	KC6UVM	488-6894
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	264-1863
Board Member	Margie Hoffman	KG6TBR	297-6567
Trustee	Keith Hoyt	K6GXO	533-4025
Ex Officio	Michael Beckers	K6YQO	805-906-9555

Swap Shop

EQUIPMENT FOR SALE

Various antenna parts and other equipment available for sale. Contact Keith K6GXO for more information.

661-533-4025

SOLAR PANEL FOR SALE

Harbor Freight solar panel kit with controller and panel support brackets. Never used \$50 OBO
Margie KG6TBR 661-297-6567

Swap Shop ads will be run at no cost to members of AVARC. Your ad should include your name and call, price, and contact info. Submit your ad to Adrienne WA6YEO, Short Circuit editor at wa6yeo@sbcglobal.net

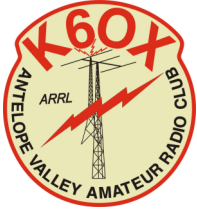


NUGGET GIPPETTI
2004-2017

AVARC members were saddened to learn of the passing of Nugget Gippetti, who crossed the Rainbow Bridge at age 17½. Nugget, a miniature Dachshund, was one of the club's two mascots along with Minnie Sherwood, and was a regular participant in the club nets. He is survived by his two devoted humans, Andy W2AJG and Charity Gippetti. He was a loving and devoted member of the Gippetti family for his entire life, and will be greatly missed by all.

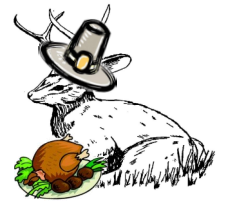
Special thanks to Chuck Tedeschi W2QLH for the beautiful photo enhancement of Nugget's portrait.





Antelope Valley Amateur Radio Club 2021 Officers

President	George Becker	KC6UVM	488-6894
Vice President	Andy Gippetti	W2AJG	433-2106
Secretary	Loretta Smalls	AJ6HO	350-7039
Treasurer	Matt Stewart	K6MES	406-5516
Master-At-Arms	Gary Mork	WA6WFC	948-8317
Board Member	David Haberman	AK6DH	917-4594
Board Member	Dan Sherwood	W6DAS	264-1863
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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 Lancaster, CA 93584-1011

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