
The Short Circuit

<http://www.k6ox.club>



The official publication of the Antelope Valley Amateur Radio Club

May 2019

President's Corner

Mike Beckers K6YQO

I hope that you were able to make it to the April general meeting. It was one of our most popular meetings in recent times, and I would like to thank Steve Noll, WA6EJO for his wonderful presentation. It was as fascinating as it was the last time he was here! To see how the signals actually propagate on such a miniature scale is truly fascinating. He uses 10 gigahertz to demonstrate what would be a lot more difficult on 2 meters, or especially HF frequencies. The antennas, of course, would be a lot larger at the lower frequencies, as well as the size of the table for the equipment! For example, a dipole at 10 GHz would be about 9/16 of an inch, where a dipole at 2 meters at 147.730 MHz (The Hauser repeater output) would be about three feet, two and ¼ inches, and on the 75 meter band at 3.9 Mhz (or 3900 Khz), a dipole would be about 120 feet. To have the same effect on lower frequencies, the equivalent size of the four inch diameter wooden "lens" that Steve used and passed around would be about 68 times that size on 2 meters, which would be 22 feet, 8 inches in diameter! If you wanted to do the same thing on 75 meters, the diameter of that piece of wood would be 853 feet! That might be a little unwieldy for demonstration purposes! If one were to apply this wooden lens to, say, the KAVL transmitter off of Avenue I, across from the Cinemark 21 theater, which broadcasts at 610 kilohertz, the diameter of the lens would be a little more than one mile! (One mile and 175 ¾ feet) That is why Steve Noll uses 10 GHz, which is much better suited to demonstrate propagation characteristics within the confines of a six foot long table! By the way, the measurements that I came up with are all assuming a demonstration frequency of exactly 10.0 GHz.

On another note, Field Day is coming up next month, so that will be a topic of discussion for this month's general meeting, because this meeting will be the last one before Field day next month. This year, Field Day will take place from 11:00 am on Saturday, June 22nd, and conclude 24 hours later at 11:00 am on Sunday, June 23rd. We will be at Rawley Duntley Park, which is the same location as where we were last year. The park is located at 3334 West Avenue K, in Lancaster, across the street from Marauder Stadium at Antelope Valley College. We'll be looking forward to seeing you there!

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Meeting Notice

Thursday, May 23, 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 month's meeting will feature **Diana Feinberg AI6DF**, ARRL Section Manager for the Los Angeles Section. She will be discussing ARRL affairs both regionally and nationally. She will also be doing a technical presentation on VHF propagation enhancement by reflecting signals of natural and man-made objects. Effective VHF simplex work is essential, especially on the "bad day" should many of our repeaters go down, so be sure not to miss this presentation.



Diana Feinberg AI6DF and her friend Ham Radio Chimp at the AVARC 2018 Christmas party

From the Secretary's Desk



AVARC General Meeting April 25, 2019

President Mike Beckers K6YQO called the meeting to order at 7:31 pm at the Quartz Hill Public Library, followed by..The flag salute and introductions.

PRESENTATION

Steve Noll WA6EJO Antenna & Propagation Phenomenon

10 MINUTE BREAK

BACK FROM BREAK

Minutes of the March 2019 club meeting were taken by Pat KJ6CJI. A motion to approve them as printed in the Short Circuit was made by Keith K6OX, and seconded by Jon Sr K6RJC. The motion was approved by the members present? YES.

Treasurer's Report: Matt K6MES -
Checking balance: \$6,139.89
petty cash: 50.31
Total: \$6,190.20
Outstanding checks equal \$51.25.

Membership: Total members 77 , percent ARRL 77.92%.

OLD BUSINESS

Presentation: Dan W6DAS presented the Quartzfest 2019 presentation at the March general meeting.

Vets for Vets 5K color run Sunday May 19. Meet at 0700 Paloma Vista Park. Simplex 3 hours.

Dan W6DAS was able to obtain the K6A callsign for the GOTA station for Field Day. June 22-23. Mike K6YQO & Diane K6DER will be absent.

Keith K6OX suggested the club purchase an upgraded Public Address system for its use with a wireless microphone, 2 portable speakers of 100 watt. Larry would like to see more data on the equipment. An e-mail came in from "yoshio (ak209freedom@gmail.com)" about a suggestion for a PA system:

At the Pasadena radio club, Bruce Nolte n1bn@charter.net says they use this one: It is the Kustom PA50. \$100 at Guitar

Center.

<https://www.guitarcenter.com/Kustom-PA/PA50-Personal-PA-System.gc>

He notes that you need to buy a microphone and an XLR cable. They seem happy with their system.

NEW BUSINESS

Field Day, June 22-23. Larry KI6BKP was going to do a walk-through of the park to look at tree branches. Recommendations for what to add to our site... (Experience from last year. Wear club badges.)

Betsy AJ6AF asked for flyers ASAP. Adrienne WA6YEO & Margie KG6TBR will produce.

Future Club Presentations:

Bob Heil by Skype,

Betsy AJ6AF on Electrical Safety for 1st Responders

George KC6UVM suggested Dennis Vernacchia on MARS in Vietnam.

April to be decided.

ANNOUNCEMENTS

Short Circuit Articles - Need by: Sunday, May 12.

VE Exam: Monday May 6 at 7:00 pm. This is a GLAARG exam, (fee \$5). Acton test at Library, Thurs May 2 at 6pm.

Next Board Meeting is Monday, May 6 at 6pm at the Church.

Next general club meeting: Thursday, 5/23/2019: Presentation TBD.

Other items:

Members attending tonight: 43.

50/50 drawing won by: Jim NB6V \$ 24.00

The meeting was adjourned at 9:55 pm.

Respectfully submitted,
Pat Okawa, Secretary

AVARC Board Meeting May 6, 2019

Opening: Mike Beckers K6YQO, President

Call to order by Mike K6YQO at 6:13 PM.
Minutes from last board meeting: Motion to approve Keith K6GXO, Second Dan W6DAS, Membership approval: YES.

Treasurer's report – Matt K6MES: Checking account :\$ 6,151.18 Cash on hand: \$ 50.00

Total: \$ 6,201.18.

Membership Report: 79ARRL members: 77.22%.

Members present today: Dan W6DAS, Matt K6MES, Keith K6GXO, Larry KI6BKP, Gary WA6WFC, Pat KJ6CJI, Mike K6YQO, Diane K6DER, George KC6UVM, Loretta AJ6HO.

Old Business:

Public Address system for its use with a wireless microphone, 2 portable speakers 100 watt. Briefly discussed at April general meeting. An e-mail came in from "yoshio (ak209freedom@gmail.com)" about suggestion for a PA system:

At the Pasadena radio club, Bruce Nolte n1bn@charter.net says they use this one: It is the Kustom PA50. \$100 at Guitar Center.

<https://www.guitarcenter.com/Kustom-PA/PA50-Personal-PA-System.gc>

He notes that you need to buy a microphone and an XLR cable. They seem happy with their system.

Board moved to TABLE this item at this time.

Field Day, June 22-23. Larry KI6BKP did a walk-through. Looked at tree branches. Members should wear club badges.

Keith K6GXO brought in a loop antenna and rotator for sale and several issues of QST for giveaway. Antenna and rotator bought by Ron Solomon, KB6WBO
Test session in Acton library on Thurs 5/2 for class.

Betsy asked when Field Day flyers will be available. John Eakin designed the flyers last year. Adrienne & Margie to do it this year.

Upcoming programs – Larry

May general meeting - TBA

Bob Heil by Skype

Betsy AJ6AF on Electrical Safety for 1st Responders

George KC6UVM suggested Dennis Vernacchia on MARS in Vietnam.

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Secretary's Desk...

(Continued from page 2)

Diana Feinberg after she recovers from surgery.

Other old business: Margie KG6TBR still not on the air.

New Business:

Field Day refreshments will be bought by club. Pat KJ6CJI to ensure driveway posts unlocked. Ask Tom Fisher to bring his trailer.

Voice mail from former member, Edward A. Black, Sr. W6UYF, from the early '80s would like to know how to purchase another club badge. Wife has hers. He would like to re-join. His phone numbers are 956-616-2869 or 661-350-5714. Wife is Ruth M. Black, KF6RHW. (Call came in from 956-502-0512) Matt K6MES will do.

Announcements:

Short Circuit Articles - Need by Sun. May 12.

Next General club meeting Thurs 5/23/2019 – Program: TBA

Next Exam: Saturday, 6/15 at 0900 , VEC: ARRLTest fee: \$15.00.

June Board meeting: Say. June 15 after test session.

Meeting adjourned 6:45 PM

Respectfully Submitted,
Pat Okawa KJ6CJI
AVARC Secretary 2019



"A ham - pod?"

Swap Shop

VINTAGE EQUIPMENT

RX COLLINS 75S-3 Winged Emblem, full 14 Quartz Board, SSB CW Filter, RCA (Cinch fem. for Monitor Scope Instruction Book. Condx: Very good, no scratches on it, inside/outside clean.

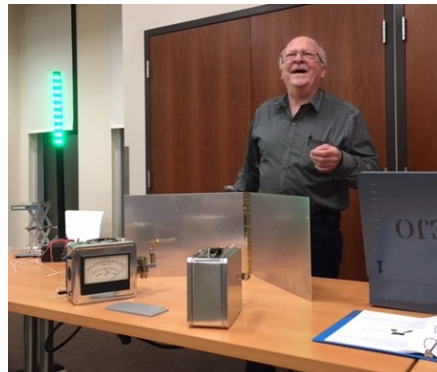
Price test/pick up \$ 715.-- Delivery possible.

COLLINS Speaker Unit 312B-3 Round Emblem Condx: Excellent. Price test/pick up \$ 150. s/h or delivery possible.

Wolf N2SJO, Palm-dale dityolg1@hotmail.com.

SOLAR PANEL FOR SALE

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



President...

(Continued from page 1)

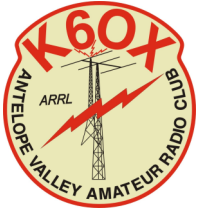
For our next meeting on Thursday, May 23rd, our presenter will be Diana Feinberg, AI6DF. Her presentation might be of use to you if you don't have a very clear path to the Hauser repeater. There may be an alternative that you may be able to try, such as reflecting your signal off of something, like maybe a nearby hillside, or tall building. Diana's presentation might be one you'll want to see. Be sure to join us at the Quartz Hill library, which is located at 5040 West Avenue M-2 in Quartz Hill.

73,

Mike K6YQO



AVARC members enjoyed the presentation by Steve Noll WA6EJO



Antelope Valley Amateur Radio Club 2019 Officers

President	Michael Beckers	K6YQO	805-906-9555
Vice President	Larry Mock	KI6BKP	943-6736
Secretary	Pat Okawa	KJ6CJI	718-3986
Treasurer	Matt Stewart	K6MES	264-4629
Master-At-Arms	Gary Mork	WA6WFC	948-8317
Board Member	Diane Roberts	K6DER	805-444-4430
Board Member	George Becker	KC6UVM	488-6894
Trustee	Keith Hoyt	K6GXO	533-4025
Ex Officio	Dan Sherwood	W6DAS	264-1863



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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