

LARK NEWS April 2023



Livermore Amateur Radio Klub LARK is an ARRL affiliated club dedicated to Public Service Volunteer Emergency Communications. Meetings are once a month on the 3rd Saturday 9:30AM

***NEW VENUE: City of Livermore Meeting Hall
1016 S. Livermore Ave., Livermore CA 94550***

Available live via zoom by invitation only. Visitors Welcome

Editor: Roberto Sadkowski K6KM



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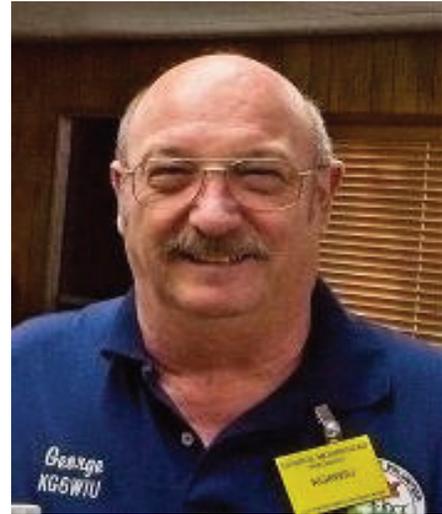
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President's Message

I want to take this time to thank Bernie NJ6W and David KG6WIR for making the coffee and picking up the refreshments for monthly meetings and would like to have someone help him if possible. This effort is appreciated by all who attend.

I wanted to let you know that the Events Chairperson (me) is following the upcoming events for 2023, and I have an update: the following events will be happening: Cinderella on Saturday, April 15th, and Devil Mountain Run in Danville on Sunday, May 7th and an event LARK members help on is the Berkeley Hills Road Race on Saturday, April 29th and ham coordinator is Mark Walsh, if you want to support this event please contact him directly. As more events become confirmed you will be kept advised. Make sure to sign up on the LARK website for these events for which LARK supports. I wanted to thank Ron AD6KV and VE Team for continuing to provide a way for hams to get their testing completed.

Ian W6TCP continues to work on enhancing the repeaters for use by all of us so please report any issues to Ian by email.



I encourage you to check in with the LARK Monday, Wednesday (10.10 Windfarms Net), and Thursday night nets, held every week. There are other nets available, and they can be found on the LARK website. It is good experience getting on the air. I want to thank Ed Diemer for coordinating the weekly nets. By participating in the nets, you'll hear what is going on in our Ham community. We are meeting In-Person at the Livermore City Meeting Hall each month on third Saturday, and we are also offering the meeting on Zoom for those who prefer that way to attend. Wishing you all stay healthy and stay safe.

George KG6GEM
(kg6wui1@comcast.net)

Notes from the Editor



Weather continues to be unfriendly for outdoor activities but this SOTA deprived operator has found every opportunity between storms to get his



equipment out and enjoy the early morning DX to EU on the upper bands. This is a picture at Mount Diablo after activating North Peak. The proof is in the pudding, or in this case the mud cakes. Small price to pay for some outdoor fun. Coming down the mountain an ambulance helicopter stopped in front of me and some bikers. We all thought a biker might have taken a fall. That was a

4



k n o w n dangerous turn but we found out later that it turned out to be a 75 year old hiker who suffered a heart attack. An ambulance made it to the top and between the helicopter paramedics and the ambulance they managed to take this person to the hospital. A reminder of how fragile life is.

I don't know about you, but I think we



had enough of this weather. I'm ready for some nice 70F and longer daylight activities.

If you are not enjoying 10m 12m and 15m right now, you are missing the radio time of your life. A few years ago, when I started this hobby, 10m, 12m and 15m were empty bands. Impossible to contact anyone in any mode (even FT8). Now they turned out to be a joy to operate in and a DX gold mine. Thanks Sun!

Stay healthy and radioactive.

Roberto K6KM

LARK Board Meeting Notes



LARK Board Meeting | March 13, 2023 | Minutes

Attendees: George, Chris, Ryan, Bernie, Roger, Nate

Absent: Ian, Jerry, David, Jerry, Var

Call to Order

1. Meeting called to order by George at 7:33 PM.

Treasure's Report – Bernie

1. Upcoming deposits include money in transit from PayPal and a small amount of cash and checks to be deposited.

Activities – Jerry

1. March meeting presentation by Arnold KQ6DI: Talk on coax cable.
2. April: No meeting due to Cinderella Bike Ride Event support
3. May: John on [Winlink](#) Communications
4. Looking for speakers for July, August, September
5. Spring or Early Summer Pt. Reyes Historical Museum Site tour: David W600 getting details.

Events – George

1. March 5th Livermore Half Marathon went well
2. April 15th Cinderella Bike Ride – Still need more volunteers
3. April 29th Berkeley Hills Road Race (not a Lark event)
4. April 29th Devil Mountain Double
5. May 7th Devil Mountain Run

Election – George

1. Will be voted on during the March meeting.

LARK Website Hosting – Nate

1. The site has moved, still working on a few small things.
2. Needs a list of LARK emails (example board@lark.org or president@lark.org)

Membership Form Revision – Chris

1. We need to change the application to add a place for event volunteers.
2. Chris to work with Var.

BSA Advertisement Announcement Flyer – George

1. Decided to not take any further action.

Ask the Elmer – George

1. Lee (KI6OY) will oversee this part of the meeting. Assist if anyone has any ham radio related questions.
2. Board approved.

Adjournment

1. George adjourned the meeting at 8:14 PM.

Minutes submitted by:

Ryan Mahoney (W6RAM)– LARK Secretary

LARK Meeting Notes



LARK General Meeting | March 18, 2023 | Minutes

Call to Order

1. Meeting called to order by George KG6GEM at 9:38 AM.
2. George started introductions, first of In-Person attendees and then Zoom attendees.
3. 37 members / 1 guest (38 total)

Presentation

1. George introduced Arnold KQ6DI for his presentation on Coax Cables, Selection and Caveats.

Election- George KG6GEM

1. Alan KM6BNQ made a motion to accept and Ron AD6KV seconded.
2. Accepted the acclimation and unanimously voted approval.
3. Appointments for certain positions was also shown for Events, Newsletter, and Membership Chairpersons.

Activities - George KG6GEM

1. April: No meeting due to Cinderella Bike Ride Event support
2. May: Winlink Communications
3. June: Gary N6AO How Do I Know I'm Getting Out
4. Looking for speakers, any ideas please contact Jerry

Events - George KG6GEM

1. April 15th - Cinderella Bike Ride - Need a lot more volunteers
2. May 7th - Devil Mountain Run in Downtown Danville
3. All confirmed event signups are available on the LARK website.
4. Devil Mountain Double - Asking for some help and will be different from the past. At the most maybe 10 hams. April 29th Contact John WB6ETY for more information.
5. Berkeley Hills Road Race is April 29th, contact Mark Walsh to sign up.

Old Business

1. Minutes from February meeting approved unanimously.
2. Roger moved for approval; Ron seconded.

Repeaters - George KG6GEM

1. WA6ODP is still not operational; power has still not been restored by PG&E

V/E Testing - Ron AD6KV

1. No test today

ARES - Ron AD6KV

1. Continue to make slow progress
2. Desire to get ECs for Pleasanton

Klutzn Award Nominations

1. No nominations

Operating

1. Lee operated Idaho QSO Party. Virginia QSO party this weekend.
2. Clancy N6FQQ has had good luck on 10 meters calls to Australia, Kentucky, and Vancouver Island.
3. Chuck WA6SYE contacted Russia on FT8 QSL'ed on Log Book of the World.
4. N8MOR ran a net with the recent winds.

Ask an Elmer – Lee KI6OY

Working on a project and have a question? We can find people that have a question. Please contact Lee by email or phone.

Adjournment

1. George KG6GEM adjourned the meeting at 11:32 AM

Minutes submitted by:

Ryan Mahoney (W6RAM)– LARK Secretary



LARK Elected Officials 2023

President - George, KG6GEM

Vice-President - Chris, W6CJQ

Secretary - Ryan, W6RAM

Treasurer - Bernie, NJ6W

Board Member – PP Roger, KK6RD

Board Member - Nate, N8MOR

Board Member - David, KG6WIR

Activities Chairman – Jerry, N5KA

Appointed Chairpersons:

Events Chair: George , KG6GEM

Newsletter Chair: Roberto, K6KM

Membership Chair: Var, KM6TAB

Ask the Elmer: Lee, KI6OY

Cinderella Bicycle Classic - Saturday, April 15th, 2023

The Cinderella Classic, Challenge and Short rides are 65/100/35-mile recreational bicycle ride (not a race) for women & girls only. Males do not ride the Cinderella; they do the organization, support, rest stops and SAGs for the Cinderella's. This event provides the opportunity for all hams of any experience to provide support from different assignments. The assignments are Stationary, SAGs, and Shuttles. Most assignments can be done with a HT. We encourage you to volunteer for this very worthwhile public service event. LARK has supported this event for many years.



Valley Spokesmen Bicycle Touring Club

Amateur Radio coordinator:

George Moorehead, KG6GEM kg6wiu1@comcast.net

Sign Up online here:

<https://www.signupgenius.com/go/10C0844AEAD28A6FA7-cinderella1>



Devil Mountain Double Century- April 29th 2023

Devil Mountain Double Century is confirmed to be on Saturday, April 29, 2023

LARK has supported this event since its beginning in 1996.

There are major changes as the organizer has changed, and the start/finish and route have changed (and may change yet again!). At press time LARK's support plan for this event is still in flux but below is our present summary.



We are expecting our support to begin at 10:00AM and end by 8:00PM. We should need no more than ten Hams to support this event. Best guess is that we will support three rest stops, several LARK APRS tracker installs, and one SAG vehicle. Supported rest stops will be in Hayward, on Mt. Diablo, and in Concord. The focus of our support will be the Mt. Diablo area between Dublin and Concord. One noteworthy assignment is for a Ham to ride in a SAG vehicle, supplying a mobile radio and mag mount antenna. If you accept that assignment you will meet the SAG driver at his home in Dublin at 14:30 in the afternoon, ride to Concord, and then SAG back to Dublin, returning by 18:30 hours.

The signupgenius signup will appear on the LARK website shortly. If you can help, please sign up, and please consider being radio support for a SAG driver. If you have any questions, please contact me.

Thanks,
John, wb6ety

Here's the link to the event website:

<https://devilmountaindouble.godaddysites.com/>



Signup Genius:

<https://www.signupgenius.com/go/10C0844AEAD28A6FA7-2022>

Devil Mountain Run - Sunday, May 7th in Downtown Danville

This event takes place in downtown Danville and is a foot race. Each position will be stationary, except for a possible bicycle sweep. Net Control will be in San Ramon Valley Fire Protection District Communications Vehicle CS-131 in downtown Danville. Due to the



location of the positions you will be able to perform your function with a handheld radio. The week of the event you will receive all necessary information including assignments. This event is a great chance to get out and use your radio and all levels of experience is welcome. Our prime concern is to provide emergency communications along the race routes. Assignment times are from 0700 hrs until released.

Ham Coordinator: George Moorehead, KG6GEM, kg6wui1@comcast.net

Sign up at: <https://www.signupgenius.com/go/10c0844aead28a6fa7-devil1#/>



Beginner Transmitter Hunt Don't miss it!!!

Beginner Transmitter-Hunt - Fremont area.
Saturday, April 8, 2023

5:00 PM Talk-in WA6PWW 147.015+ PL 103.5

The hunt is designed to be a beginner hunt.

Experienced hunters will assist beginners.

This will be a walking hunt.

Location: Fremont main library

Paseo Padre Pkwy & Stevenson Blvd, South East corner.

For directions or more info please call Rich KN6FW at 925-462-1467

73 KN6FW

Sponsored by LARK-SBARA

This is an older list of rules for a beginner hunt.

BEGINNER:

The transmitter will have a good bearing at the start point.

There must be a direct path from the transmitter to the start point.

The transmitter will be no more than 7 miles from the start point.

The power will be 1 to 10 watts effective radiated power.

The transmitter will remain on.

The transmitter will not move.

The transmitter should be heard at least 80% of the time as the hunters are on the road.

The transmitter will be in the open.

Not next to any reflector or absorber, such as under a bridge or next to any metal.

If the transmitter is hidden. The fox must provide beginners with close-in-gear and help to find the transmitter.

The antenna will be vertically polarized (not tilted), omni-directional.

The antenna should be high in the air, not next to the ground.

Locations at sea level are not beginner hunts.

The transmitter will be publicly accessible and not require a fee for entrance.

Any hints given must be in writing. Hints not in writing will be ignored.

If a long walk or hike is required to get to the transmitter, it should be advertised in advance.



Coax Cables Arnold: KQ6DI

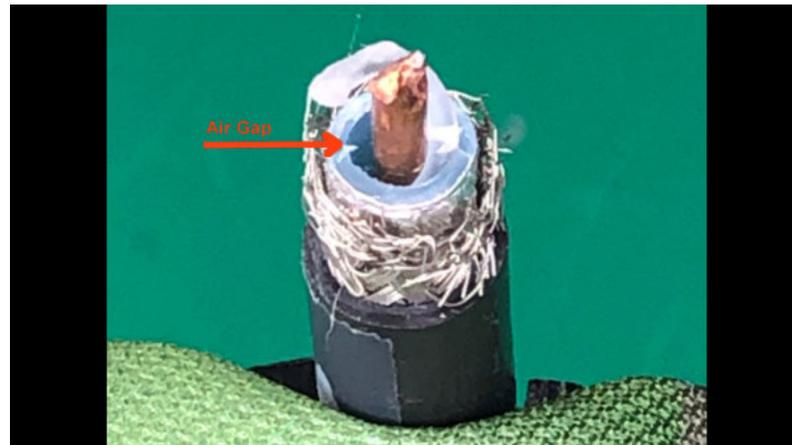
Monthly Meeting Presentation



Coax Cables

Arnold Harding
KQ6DI

More Show than tell



What coax is best?

- All coax has its place
- All Coax is not the same
- Each type has its uses
- Too easy to use incorrect coax for the intended purpose
- The idea of this talk got started when I was helping with an event and the organizers were using a 1.2 GHz repeater. They loaned a radio and antenna to a ham at a checkpoint. Although the repeater could be reached fine with the antenna on the car, the Ham decided to put the antenna on a mast to be able to reach further, then put 50' or 100' (don't remember how much exactly) of RG-8x between the radio and antenna. It didn't work. Nobody knew what happened until after when he was asked how everything was set up. He lost probably 98% of his signal in the coax; transmit and receive.
- But this is the ideal example of someone not knowing that different coax can have vastly different effects.

Do you know dB - decibels

It was pointed out by several Hams that without an understanding of dB, talking about loss in coax cables is pointless.

dB ALWAYS specifies a reference, and is a ratio of two values.
dB is ALWAYS a relative unit, not an absolute.

dBm = milliwatt
dBw = watt
dBi
dBd

Sensitivity: -122dBm
Output power: +27/30dBm

dB Calculation

$$dB = 10 * (\log_{10} \frac{P_{out}}{P_{in}})$$

Formulas:

To convert a **ratio to dB**, do log and then times by 10.

Example: ratio = 1234 times. $\log(1234) = 3.09$. Ten times 3.09 = 30.9 dB

To convert **dB to ratio**, divide by 10 and then do **ten to the x**, like 10^x

Example: dB = +12.5 dB. Divide +12.5 by 10 = +1.25. Do $10^{1.25} = 17.8$ ratio.



dB WITHOUT a calculator is easy

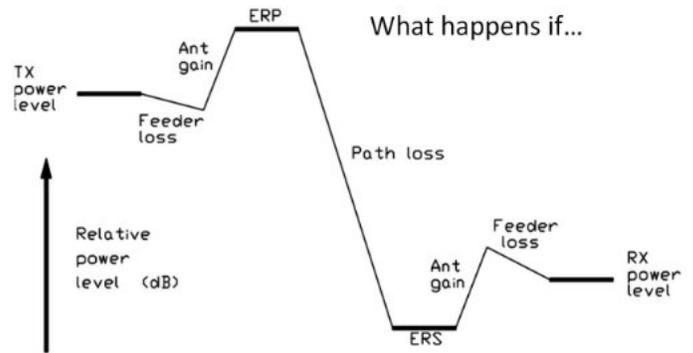
- 3 dB = 2x or 1/2 power
 - 4 watts is 3dB more than 2 watts
 - 1 watt is 3 dB less than 2 watts
 - 100 watts is 3 dB more than 50 watts
- 10 dB = 10x or 1/10
 - 100 watts is 10 dB more than 10 watts
 - 2.5 watts is 10 dB less than 25 watts
- 6 dB is 4x or 1/4
- 20 dB is 100x or 0.01

Example power differences w/dB

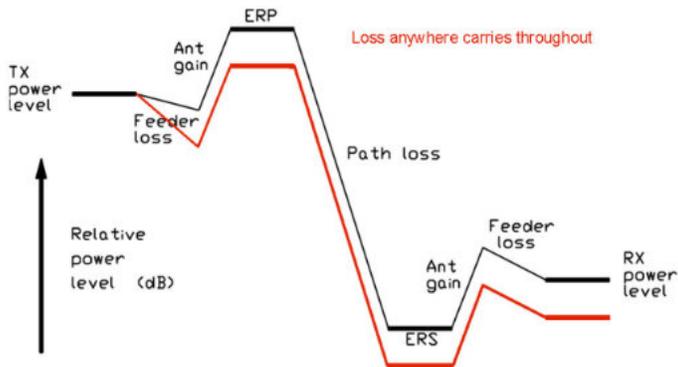
- 200 • 3 dB
 - 100 • 3 dB
 - 50 • 3 dB
 - 25 • 4 dB
 - 10 • 3 dB
 - 5 • 20 dB
 - 0.05
- (5 to 50 is 10 dB)

dB gives a different picture than watts

- 1500 watts (legal limit) sound like much more than 1000 watts
- However the difference is 1.8 dB
- Each 'S' unit on an HF receiver is customarily defined as 6 dB
- Therefore, the bigger amplifier hardly improved the signal.
 - (maybe 1/3 S-unit?)



What happens if...



To Reduce losses

- Shorten cable
- Use Better cable
- Don't use multiple segments (less connectors)
- Use appropriate connectors
- Don't step on cables.
- Don't dent cables
- Don't kink cables
- Don't use Ty-raps

Example Cable specs

Impedance (50, 62, 75, 93, 100)
 Loss at a frequency
 Shielding percentage or dB at a frequency
 Velocity Factor

Minimum bend radius for various selected cables

- LMR-100 = 1/4"
- RG-58 = 1"
- RG-8x = 2.5"
- RG-8 = 4"
- 7/8" = 5"

Maximum Power – will vary with frequency
 Maximum voltage – may vary with frequency and SWR...
 Maximum Frequency

Connector loss - Connectors also have specifications...



Assumptions for today's test

- "No one would ever use a UHF connector at this high a frequency"
- *Unless otherwise stated*
- 2m transmit = 14 watts
- 440 transmit = 15 watts
- 1296 transmit = 10 watts
- Multiple adapters are involved



Matched loss of various cables. 100 ft length, loss in dB
 Does not account for connector losses, or SWR mismatch losses

| Cable type (generic) (RG numbers not actual) | 14 MHz | 146 MHz | 446 MHz | 1295 MHz |
|---|--------|---------|---------|----------|
| RG-174 | 3 | 11 | 20 | 39 |
| RG-58C | 1.8 | 6.7 | 13 | 27 |
| RG-58 | 1.3 | 4.7 | 8.9 | 17 |
| RG-8x | 1.1 | 4.1 | 8.2 | 17 |
| LMR-240UF (flex) | 1.1 | 3.6 | 6.3 | 11 |
| LMR-240 | 0.9 | 3 | 5.3 | 9.2 |
| RG-8 | 0.7 | 2.3 | 4.5 | 8.6 |
| LMR-400UF (flex) | 0.6 | 1.8 | 3.2 | 5.6 |
| LMR-400 | 0.5 | 1.5 | 2.7 | 4.8 |
| 7/8" Heliax | 0.13 | 0.4 | 0.8 | 1.4 |
| 450 Ohm Window | 0.1 | 0.36 | 0.7 | 1.3 |

10w in = 1.25 mw
1/8,000

Measured Coax Loss dB vs/ Frequency

My results with my cable & meters

| | 146.5 MHz 14 watts expected watts | 146 measured | 446.0 MHz 15w expected watts | 446 measured | 1294.5 MHz 10 watts expected watts | 1295 measured |
|-------------------------|--|----------------------------------|---------------------------------------|-----------------------------------|---|-------------------------------------|
| RG-58 ?? 'C' - 50' | 6.7 dB 6.4 w (50') | 6 w = -3.7 dB = 7.4 dB @ 100' | 13 dB 3.4 w (50') | 3.8w = -6.0 dB = -12 dB @ 100' | 27 dB 0.45 w (50') | .55 w = -12.6 dB = -25 dB @ 100' |
| RG-8x - 100' | 4.1 dB 5.4 w | 4.5w = -4.9 dB | 8.2 dB 2.27 w | 2.2w = -8.3 dB | 17 dB 0.2 w | 0.21w = -16.7 dB |
| LMR-240UF (flex) - 100' | 3.6 dB 6.1 w | 5.5w = -4.1 dB | 6.3 dB 3.5 w | 3.5w = -6.3 dB | 11 dB 0.8 w | 0.8w = -10.9 dB |
| RG-8 - 50' | 2.3 dB 10.7 w (50') | 9.5w = -1.7 dB = -3.4 @ 100' | 4.5 dB 8.9 w (50') | 1.8w = -9.2 dB -18.4 @ 100' | 8.6 dB 3.7 w (50') | 2.2w = -6.0 dB -12 dB @ 100' |
| LMR-400UF (flex) - 100' | 1.8 dB 9.2 w | 8.5w = -2.1 dB | 3.2 dB 7.2 w | 7.8w = -2.9 dB | 5.6 dB 2.7 w | 2.5w = -6.5 dB |

Conclusion

- Know the limitations of your coax
- All coax is acceptable depending on your needs
- Learn how to install connectors
- Use the quality of coax and connectors as appropriate for your use
- Don't use Ty-Raps - they dent the cable
- <https://kv5r.com/ham-radio/coax-loss-calculator/>
- <https://timesmicrowave.com/calculator>
- 'UHF' Connector Test Results
- <https://www.hamradio.me/connectors/uhf-connector-test-results.html>

2023 LARK Livermore Half Marathon: George KG6GEM

This event was held on Sunday, March 5, 2023, in Livermore. Net Control was located on South J Street between 1st & 2nd Streets in Comm Support 131. The Start/Finish line was not too far away. The Half Marathon was a race that went from downtown Livermore to Sycamore Park to Holdener Park and back down Concannon Blvd. to Arroyo Rd to L Street to return to downtown Livermore. Volunteer radio operators



provided communications (emergency and regular) for the event needs. LARK provided a bike Sweep for the event. There were approximately 1,600 runners for this event. There was one minor injury, and the person was checked out by the medics and released.

I want to thank the following radio volunteers for giving up their Sunday morning for this event:

Jerry N5KA, Larry KI6LNB, Alan KM6BRQ, Jeff AD6RH, Ryan W6RAM, David K6WOO, Bill AJ6UU, Bill N6SGT, Brian KF6ONF, Rich KN6HSR, Mark KK6UNU, James N6JRQ, David



KG6WIR, Bernie NJ6W, Gregory KN6RUQ, Keith KC6JHF, Andrew KN6WSH, Clancy N6FQQ, Dan KB6FF, Kathy KN6DES, Larry KM6ORH, Terry KK6KGX, John KM6ZJT, Steve K8YIP, Al K6AL, Chris W6CJQ, Scribes Chris and AJ, and John WB6ETY.

Thanks to all the volunteers for putting up with changes that occurred for this



event.

George Moorehead KG6GEM
Volunteer Radio Operators Coordinator





Connecting the Tri-Valley to the Bay Area Mesh : Bill AJ6UU

A Tale of One Node

As soon as the announcement went out from Ian W6TCP that the Bay Area Mesh had arrived at Sunol Peak, I ordered the minimal equipment necessary to connect to it. Installation was delayed for a bit until the weather calmed down and the roof dried out. Flashing the AREDN firmware went smoothly. Then it was time for the actual install. I enlisted the help of David K6WOO to help with installing on the roof (one of the advantages of having your son



live nearby). Fortunately, I have a nice clear shot to W6SRR as you can see in this photo.

Since my shot is just under 4 miles I was able to use a very small MikroTik unit for the connection. As you can see we just mounted it on the chimney-mounted mast that was already there for my 2m/70cm antenna.

Inside the shack I installed a second unit



(again using the AREDN firmware) that connects to the outside unit (also providing power via PoE (power over Ethernet)). This router also has a connection to my normal internet and then provides a network, both wired and wireless) that carefully segregates traffic such that anything to the AREDN mesh goes out either over the RF link or the special tunnel, while normal traffic goes directly to the internet. This has to be done carefully so as to not bridge the networks, but the AREDN firmware for the router handles all of that automatically.

Once we had the pieces together it was time to aim it. The AREDN firmware has a signal strength tool that generates a tone that changes as the connection quality changes. We pulled out a pair of FRS radios and I sent the tone up to David on the roof so that he could aim it.

As of Friday, March 17, the map of connected nodes looks as follows (you can see the live map by going to <https://sfmap.xojs.org/>). You can see my node in Pleasanton, AJ6UU, connected to W6SRR-SR-LIVERMORE with an internet tunnel also to Berkeley), as well as WB6BDD also in Pleasanton, and KM6TCM in Livermore.

So far, other than exploring other sites on the mesh, the main “serious” thing I have done is use the mesh as transport for Winlink telnet. That would work for email in an emergency situation when there was

an interruption in internet service to our area.

The installation was very straightforward, but if anyone has any questions, I’d be glad to try to answer them. We have the #mesh-net channel on the LARK discord server.

Bill – AJ6UU – aj6uu@arrl.net

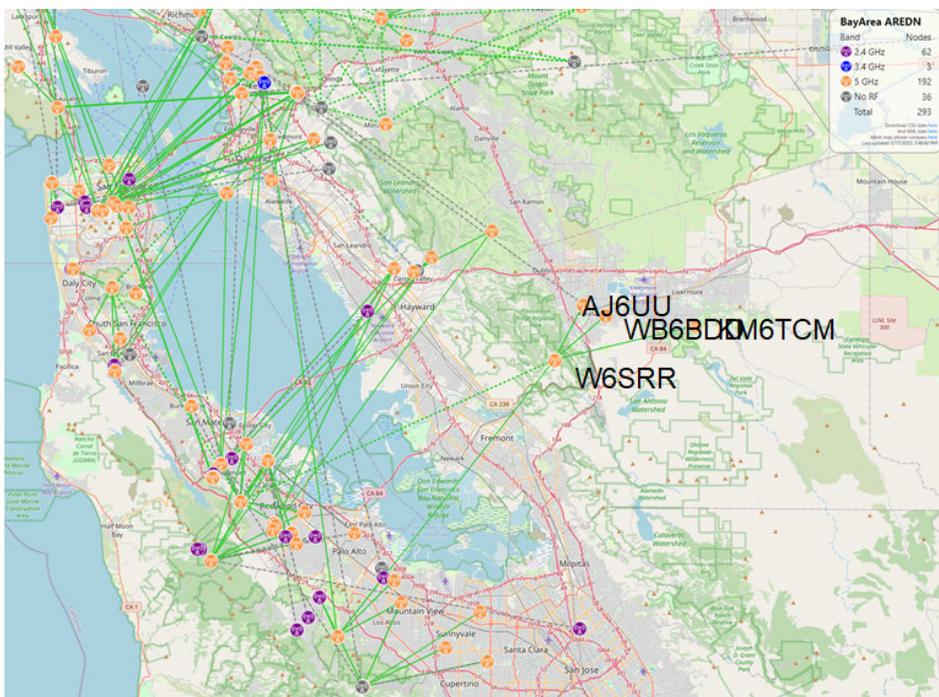
Bay Area Mesh Map - <https://sfmap.xojs.org/>

Bay Area Mesh Wiki - <https://bamwiki.xojs.org>

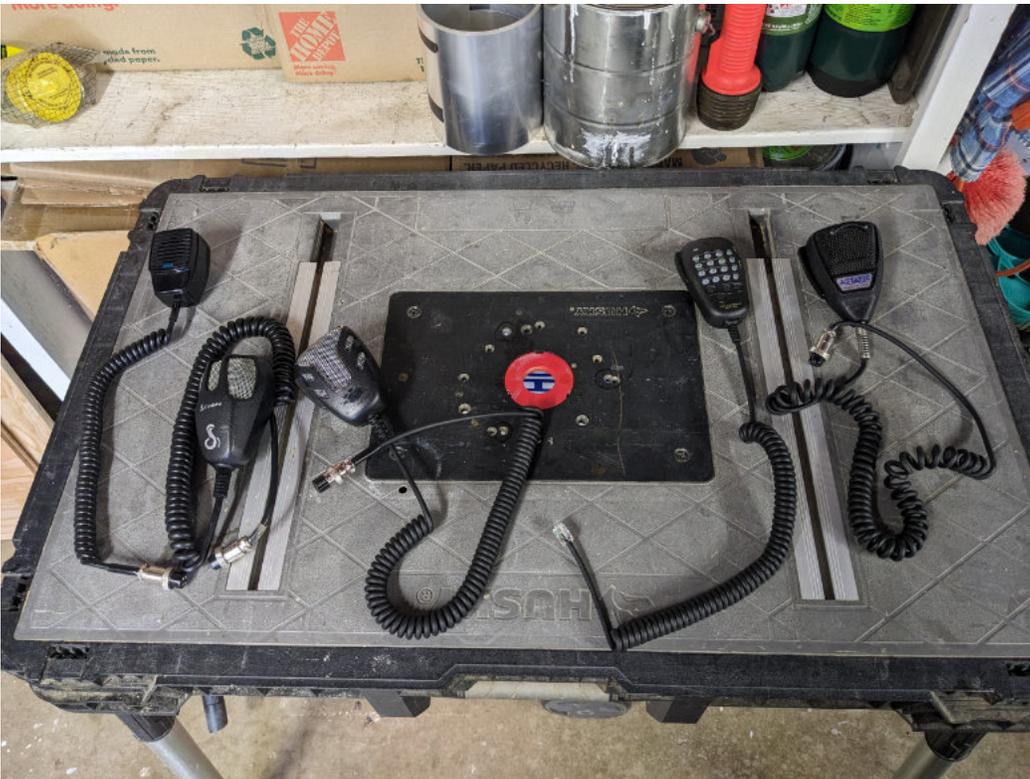
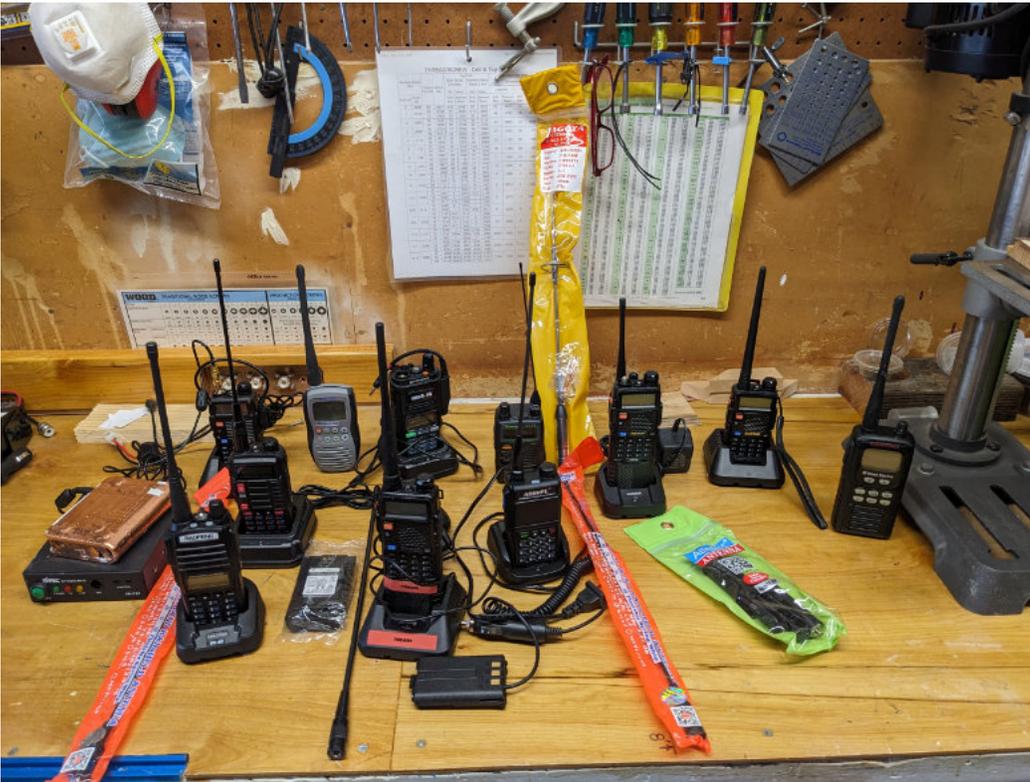
Sunol site details - https://bamwiki.xojs.org/index.php/Sunol_Ridge

AREDN radio suggestions - <https://bamwiki.xojs.org/index.php/Radios>

AREDN - <https://arednmesh.org>



From the LARK CAVE



LARK has a new crop of equipment from a recent SK. The tip of the iceberg is this group of HT's. Baofengs, tribanders, GMRS, and even some maritime devices. If you are looking for a spare radio, this is the place. Also a few HT antenna upgrades. There is also a variety of microphones, 4 pin and 6 pin. Contact Rich at KN6HSR@arrl.net, then stop by the Swap N Shop shack in Livermore and see what catches your eye. Rock bottom prices for LARK members, slightly more for non-Members. Please, help me retrieve my garage space!

Rich

April 2023

| <u>Monday</u> | <u>Tuesday</u> | <u>Wednesday</u> | <u>Thursday</u> | <u>Friday</u> | <u>Saturday</u> | <u>Sunday</u> |
|---------------|----------------|------------------------|-----------------|---------------|--|---------------|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 Cinderella <u>No LARK Meeting</u> | 16 |
| 17 | 18 | 19 Ham Breakfast | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| | | | | | | |

LARK MON. NIGHT NET ON: 147.120 MHZ + offset,
PL 100 AD6KV.

Every Monday 7 PM local time.

Visitors welcome to join in.

Net Control Operator Schedules

Monday Night Net Control Operator Schedule

April

| DAY | OP | NAME |
|-----|--------|------|
| 03 | WB6ETY | John |
| 10 | EOC | |
| 17 | WB6AEA | Jon |
| 24 | AD6KV | Ron |

May

| DAY | OP | NAME |
|-----|--------|------|
| 1 | AE6D | Ed |
| 08 | EOC | |
| 15 | WB6ETY | John |
| 22 | WB6AEA | Jon |
| 29 | AD6KV | Ron |

June

| DAY | OP | NAME |
|-----|--------|------|
| 5 | AE6D | Ed |
| 12 | EOC | |
| 19 | WB6ETY | John |
| 26 | WB6AEA | Jon |

EVERYONE is invited to check in to the net. Please contact AE6D ae6d@sbcglobal.net if you need more information or would like to become a Net Control Operator. After the net please call Ed AE6D with the AC/DC statistics or send him the information by email.

Thursday Night Net Control Operator Schedule

| Date | Weekday | Primary Net Control | Backup Net Control | Topic |
|-----------|----------|---------------------|--------------------|--------------------------------|
| 4/6/2023 | Thursday | Brian/KA6ZED | Peter/AI6RG | Study Night: General Exam |
| 4/13/2023 | Thursday | Peter/AI6RG | Brian/KA6ZED | Easy Tech Discussion: |
| 4/20/2023 | Thursday | Rich/KN6HSR | Nate/N8MOR | General Discussion: |
| 4/27/2023 | Thursday | Nate/N8MOR | Rich/KN6HSR | Advanced Tech Discussion |
| 5/4/2023 | Thursday | Bill/AJ6UU | Nate/N8MOR | New Comer, General Discussion: |
| 5/11/2023 | Thursday | Noah/AJ6XK | Bill/AJ6UU | Study Night: General Exam |
| 5/18/2023 | Thursday | Nate/N8MOR | Noah/AJ6XK | Easy Tech Discussion: |
| 5/25/2023 | Thursday | Brian/KA6ZED | Peter/AI6RG | General Discussion |
| 6/1/2023 | Thursday | | Brian/KA6ZED | Advanced Tech Discussion |
| 6/8/2023 | Thursday | Rich/KN6HSR | Nate/N8MOR | New Comer, General Discussion: |
| 6/15/2023 | Thursday | David/K6WOO | Rich/KN6HSR | Study Night: General Exam |
| 6/22/2023 | Thursday | Bill/AJ6UU | David/K6WOO | Easy Tech Discussion: |
| 6/29/2023 | Thursday | Noah/AJ6XK | Bill/AJ6UU | General Discussion: |

Regularly Scheduled Nets

| | | | |
|---------------------|--------------------|---------------------|-----------------------|
| LARK/LIVERMORE NET | Every MON. | 1900 local 147.120+ | PL 100 |
| RACES Net 7pm | Every MON. | | |
| Windfarms 10-10 NET | Every WED. | 1930 local 28.485 | USB |
| LARK TECH NET | Every THURS. | 1930 local 147.120+ | PL 100 |
| LLNL Retiree Net | Every FRI 8:30 am | 0830 local | 7.2630 LSB |
| SWOT | Every Sun. & Tues. | 2000 LOCAL | 144.250 USB |
| THE NOON TIME NET | EVERY DAY | 1200-1400 LOCAL | 7.2685 LSB & 3970 LSB |
| RV RADIO NET | MON-FRI | 0800-0930 LOCAL | 7.2685 LSB |

LARK CONTACTS 2023

**LARK—LIVERMORE AMATEUR RADIO KLUB P.O. BOX 3190,
LIVERMORE, CA 94550-3190. Web: <http://www.livermoreARK.org>.
E-mail list: livermoreark@groups.io**

GET YOUR HAM LICENSE OR UPGRADE. LARK conducts all levels of license testing (upon request) at the Livermore City Council Chambers following club meetings (3rd Sat. each month). Contact Ron Kane, AD6KV (AD6KV at arrl.net) 2 weeks in advance.

| OFFICE | CONTACT | CALL | E-mail | Phone |
|--------------------|-------------------------|--------|-------------------------------|----------------|
| President & Events | George Moorehead | KG6GEM | KG6WIU1@COMCAST.NET | (925) 516-2676 |
| Vice President | Chris Quirk | W6CJQ | w6cjq@yahoo.com | 925-202-1198 |
| Secretary | Ryan Mahoney | W6RAM | Ryan.andrew.mahoney@gmail.com | 925-786-0640 |
| Treasurer | Bernie Bernstein | NJ6W | nj6w@xemaps.com | (925) 858-4608 |
| Board (PP) | Roger Deming | KK6RD | rogerdeming@yahoo.com | (925) 484-1285 |
| Board | David Counts | KG6WIR | dlcounts@sbcglobal.net | 925-895-4698 |
| Board | Nate Moore | N8MOR | nate@nateandamy.org | (925) 577-4916 |
| Activities | Jerry Benterou | N5KA | benterou@gmail.com | 925-321-3263 |
| Repeater Chair | Ian Parker | W6TCP | w6tcpian@gmail.com | |
| Web Site | Arnold Harding | KQ6DI | | |
| Newsletter Editor | Roberto Sadkowski | K6KM | rsadkowski@gmail.com | |
| Membership | Venkatesh Varadha (Var) | KM6TAB | svvenkatesh2786@outlook.com | (925) 961-7703 |
| Net Coordinator | Ed Diemer | AE6D | ae6d@arrl.net | |
| RFI | Gary Johnson | NA6O | gwj@me.com | |
| T-Hunts | Rich Harrington | KN6FW | | |
| Swap n Shop | Richard Combs | KN6HSR | KN6HSR@arrl.net | |
| Ask the Elmer | Lee Zalaznik | KI6OY | | |



Facebook—<http://www.facebook.com/LivermoreARK>
Twitter link : <https://twitter.com/LivermoreARK>



Special interests: Mesh Networking. Dave KK6DF <http://mesh.sushisoft.com> . <https://www.youtube.com/user/fanninsushi/videos>. View: AREDN!<http://www.aredn.org>. **CERT NEWS:** Tracy Hein CERT contact. Email: thein@lpfire.org or (925) 454 -2317 https://community.fema.gov/Register/Register_Program_View?id=a0xt000000mAuZAAE

Meetings 3rd Wednesdays. Remillard RM 3333 Busch Rd. Pleasanton.

LARK Membership Form



LARK LIVERMORE AMATEUR RADIO KLUB.

P.O. BOX 3190, LIVERMORE, CA 94551-3190

An ARRL Affiliated Club

| | |
|---|--|
| LARK MEMBERSHIP FORM - Print, fill out, mail in with check. | |
| Circle all that apply: New / Renewing / Family Today's Date: _____ | |
| NAME: _____ | |
| CALL SIGN: _____ | |
| ARRL MEMBER? Yes / No | |
| Address: _____ | |
| PHONE: () - | |
| UNLISTED? ___ YES ___ NO | |
| Enter your E-mail here and stay connected: _____ LARK NEWS featuring upcoming club events and articles is available monthly via email. http://www.livermoreark.org/ Access the current and back issues on our website. | |
| ADDITIONAL FAMILY MEMBERS (At the same mailing address, only \$2. membership per person) | |
| NAME | |
| PHONE | |
| EMAIL | |
| ARRL MEMBER | |
| ANNUAL DUES # _____ PRIMARY (\$20.00) ADDITIONAL MEMBERS # _____ (\$2.00 each) | |
| TOTAL: \$ _____ MAKE CHECKS PAYABLE TO: LARK. Thank You. | |
| <p>Membership is \$20.00. per calendar year starting on Jan 1 through Dec. 31. To complete membership by mail: print and fill out this form, include a check payable to LARK, and mail to: LARK Membership Chairman, P.O. Box 3190, Livermore, CA, 94551-3190. Please be sure your complete mailing address, e-mail, and call sign are on your check. Questions? Contact the Membership Team via email: membership@livermoreark.org You may also complete membership application and payment by: Bringing this form filled out and pay by cash or check to either the Membership Chairman or Treasurer at any general meeting. Or: pay with a credit card or PayPal account on the Club's membership page: http://livermoreark.org/membership/membership.html.</p> <p>Thank you and welcome aboard from LARK and the Membership Team.</p> | |