

LARK NEWS February 2025



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

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

Available live via zoom by invitation only. Visitors Welcome

Editor: Gregory Kiyoi KN6RUQ

Portable Antennas



Roberto K6KM



Photo by Don, W2DON



Clancy, N6FQQ photo by Jerry N5KA

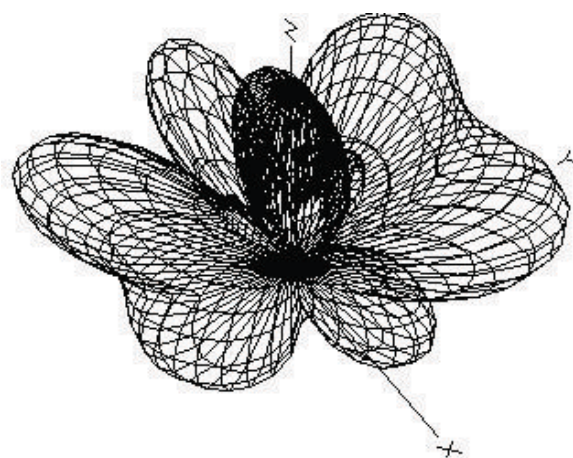


Diagram by Gary, NA6O

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Presidents Message

I want to thank **Noah N6TW** for making the coffee and picking up the refreshments for monthly meetings. This effort is appreciated by all who attend the meeting.

I wanted to let you know that the Events Chairperson (me) is following the upcoming events for 2025, and I have an update. The following events will be happening:

- **Race to the Flagpole, Saturday, January 25th**
- **Livermore Half Marathon, Sunday, March 2nd**
- **Cinderella Bike Ride, Saturday, April 5th**
- **Devil Mountain Run, Sunday, May 4th**

We are in need of volunteer radio support for all events and any level of experience is welcome.

As more events are confirmed you will be kept advised. Make sure to sign up on the LARK website for these events for which LARK supports.

Want to thank **Rich Combs, KN6HSR** for being our **Swap-n-Shop** chairperson and doing such a fantastic job. He is stepping down as chair and **Mark Bowers, KK6UKU** will be the new chair. Mark will take on the responsibilities in February. Look for an announcement coming soon.

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 AE6D** 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

Portable Antennas



Many Ham Radio Operators enjoy operating outdoors. The challenge of setting up the station and antennas while enjoying, in many cases, an almost S0 noise level and communing with nature.

All good, but what antenna should you use?

Please join **Roberto, K6KM** as he explores different choices suitable for a POTA, SOTA, or just a casual Field Day Operation in the February LARK meeting presentation.

Monthly Puzzle

The newsletter will now include a monthly Ham radio-related crossword puzzle. If you are a **cruciverbalist** you will enjoy these.

Chris Codella, W2PA created these crosswords which were published on the ARRL website from late 2007 to 2009. He has given LARK permission to use in our newsletter. Thank you Chris!

Member Spotlight

Bringing back the member spotlight. This will feature a club member as we learn more about them. If you would like to answer a few questions you can be the next member spotlight.

February 2025 Events

- North American Sprint-CW, Feb 2nd - <https://www.contestcalendar.com/contestdetails.php?ref=253>
- Orlando HamCation, February 8-9th - <https://www.hamcation.com>
- School Club Roundup, February 10-14th - <https://www.arrl.org/school-club-roundup>
- ARRL International DX Context-CW, February 15-16th - <http://www.arrl.org/arrl-dx>
- North American QSO Party-RTTY, February 22-23rd - <https://www.contestcalendar.com/contestdetails.php?ref=263>

The newsletter is a collaborative process, please keep sending me your articles and ideas.

Gregory KN6RUQ



Monthly Meeting Minutes



LARK Monthly Meeting Minutes for January 18th, 2025

The meeting was called to order at 9:31am by President George KG6GEM. Introductions were done around the room and the virtual attendees. Total number of attendees for the meeting was 52. Everyone was reminded to sign in and to check the free table and to see if your badge was there.

The topic for today's meeting is member Show & Tell, and the MC is Jerry N5KA who is Activities Chair. The presentations went as follows:

- **Mel:** showed old gear such as a telegraph sounder, semi auto key, portable vacuum tube radio that runs on a 45-volt battery, he also demonstrated the keying.
- **Bill:** showed the group his 3D printed designs for his portable, 3D printed Baofeng base, FT60 printed base with a lean, printed stand to hold the mic and to ensure the mic clip stays connected, he will provide the information, this was all designed in Free Cad.
- **Phil:** showed his homemade CW paddle, made with a piece of wood, nails; the challenge was finding the 3 tips for the audio plug, razor blade holder spring was what he used as the spring; first contact was with a person from Chile on 20M CW.
- **David:** Mobile Comm System – cargo bike with bench seat as the base, handlebar mounted DV-25D radio, has APRS, coax runs to the back where the antenna is mounted and looks like a bike flag, chair tied to the side, small table on board, also has bike pump, first aid kit, molle bag, giant battery; once parked he sets up his table and chair and has a full net control station, this is an electric bike with a small motor with a wide turning radius.
- **Clancy:** showed his new Go-Box – this is the what he uses at the park near his home, operates on VHF/HF, 2m/70m/FT817 radio, auto tuner Z11, 30W amp, built 10/15/20/40m portable antenna that be clipped together and extend them as long as needed, uses 4:1 balun feedline, took 2 months to build, has 5V and 12V power out plugs/connector, he will share the build, he is using a DeWalt rolling toolbox.
- **Don:** showed his new rig – TS-520, tube/hybrid radio is solid state and tube driven, operates on 20m/40m, great RX performance, must be manually tuned for each band as you are going, adjust drive tube and matching capacitor set, then tune the antenna to match what's needed for the radio, 100W output and runs off of AC, made in 1972; wanders if he should leave it on all the time, per Ron it was a great cat warmer.
- **Jim:** Push up antenna mast holder – coax runs down the center of the mast, AD antenna from DX Engineering; Question to the members – will many ferrite cores affect the antenna performance? it has a seal on the top to keep water out.
- **John:** showed his antenna tower set-up: this was done following the Loma Prieta earthquake and is a tube tower that is self-supporting with a rotator at the base and has a Cushcraft A4 antenna that has 10/15/20/40m and D3w warc dipole for 12/17/30m and a 2/440m vertical; he still wants to install an 80m which will have a trapped dipole, has a slide ring that will rotate counter



the tower, 40m was a conflict, will convert to single 80m dipole, added a pull for raising and lowering the dipole, total of 55 feet height, tilt-over if needed for access to work on the antenna.

- **Tony:** shared his home set-up: put pipe on 2nd story, added dipole, did a rooftop installation from a company named Glen Martin, he ended up having to make it himself, first reinforced the attic and roof trusses and used lag bolts to secure it, wired with LMR400 and grounded to a dedicated ground rod; he missed his beam antenna.

Thank all of you for sharing your very interesting projects with us. Jerry asked the group about their first contacts:

- Clancy shared about his first contact with a woman operator in Pitcairn.
- Ron shared his first contact as a novice when in Michigan into Canada.
- Neil Giles shared his first contact on DMR with a person from Cape Horn, South Africa.

Next month we will have Roberto presenting on the best portable antennas for SOTA and POTA activities.

We took a 5-minute break for coffee and refreshments.

The meeting resumed at 10:52am'

Reports from the Officers and the Board:

Treasure: Peter AI6RG – the treasury is stable.

George indicated that if you need to pay for membership to see Peter today since Juliar isn't at the meeting, also if you need to be reimbursed for anything to please talk to Peter.

All membership questions need to be directed to Julian through email.

Events upcoming:

- **Race to the Flagpole** Saturday, January 25th in Livermore
Ham Coordinator is John Street, contact him if you have questions
- **Livermore Half Marathon** Sunday, March 2nd in Livermore
Ham Coordinator is George Moorehead
- **Cinderella Bike Ride** Saturday, April 5th in Dublin
Ham Coordinator is George Moorehead
- **Devil Mountain Run** Sunday, May 4th in Danville
Ham Coordinator is George Moorehead

All sign ups are available on the LARK website and in the Newsletter. Please volunteer your help is needed.

Newsletter – if you have anything for the Newsletter please have them the editor by Sunday night.

Membership report: 99 are paid, will be posting a list of call signs of those that have renewed, and will send out another reminder email to renew.



Minutes from previous meeting: no corrections; Brian motioned for approval, Nate 2nd, all voted yea in approval.

Repeaters: Nate all are working.

VE updates: none today

Technical Interest Groups Update:

- **SatCom:** nothing happening right now; Ron listened to the ISS as it passed over the west coast; re-invigorating the SatCom group, persons will be meeting on Tuesday night at 6pm at Mt. Mike's Pizza.
- **MESH:** Simon K6TCM and Bill AJ6UU have connected to W6SRR along with Ron AD6KV, Ron will be reporting back on access to Robot Garden that is located at the Livermore Airport.

Bernie N6JW - 501(c)3 update: the club has received this status. The Board is currently working on the appropriate form to be provided when donations are received, it will be announced when we are ready to move ahead with this process.

Swap-n-Shop Chairperson: with Rich KN6HSR stepping down as chair for this position and we thank him for his fantastic volunteering for this. I am please to announce we have a new Chairperson and that will be Mark Bowers KK6UKU, it is anticipated that Mark will assume this responsibility in February. We will announce it when the transition is completed and contact information has been updated.

Operating updates: Arnold helped a new member with some APRS issues and he was thankful for the help.

Ask the Elmer:

- Radio etiquette while operating:
 - Listen before speaking
 - Never call CQ
 - Best not to interrupt people on the radio
 - Unless you are a repeater, wait for pause, then give call sign
 - Use NATO
 - Add pause to let repeater drop
 - Clancy has feedback on HF
Short lengths of coax, leads to auto-tuner, it tunes but has feedback
Lee suggests wrapping the coax with torroids; Palomar ferrite; check grounding – length of ground should match wavelength.
- Question on local feedback, or signal distortion at the receiving end:
Receiving end – could be the mic, or power supply
Mostly impacted KC6JHF on the 10-10 net
Power supplies aren't worth repairing



In the April issue of QST back in the 60's it was reported that electronics always died when smoke came out, could be insufficient power

You can record the distortion on websdr.org and hear yourself in playback

- Jim asked a POTA question of how to receive proper credit and identifying the park: look up park at <http://pota.app> and this will provide a reverse map to the name and location of the park, enter us-#### is the format for searching the park name.
- Best place to buy Palomar products, etc. is Amazon.
- George reminded everyone that if you need a badge to make sure contact Bernie by email.
- Question on how to check membership status: reminded everyone to check with Julian by email.

The meeting was adjourned at 11:25am.

Minutes submitted by Nate Moore and George Moorehead for Ryan Mahoney

Board Meeting Minutes



LARK Board Meeting | January 13, 2025 | Minutes

Attendees: George, Chris, Ryan, Peter, Bernie, Roger, David, Julian, Nate, Jerry

Absent:

Call to Order

1. Meeting called to order by George at 7:31 PM.

Treasure's Report – Peter

1. The club's finances are in good shape.

Repeaters – Nate

1. Two Thursday ago WA6ODP would reboot during the nets but automatically powers back on after shutting down.

Activities – Jerry

1. January: Show and Tell, New Equipment, new holiday presents, and Go-Boxes
2. February: SOTA Portable Antennas by Roberto K6KM
3. Jerry and Steve K8YIP are working on 2025 and welcome any suggestions.

Events – George

1. Saturday January 25th Race to the Flagpole
2. Sunday March 2nd Livermore Half Marathon
3. Saturday April 5th Cinderella
4. Sunday May 4th Devil Mountain Run
5. Signups are available on the LARK website

Memberships – Julian

1. 93 paid members. Will send out a reminder email.
2. Looking at doing a new member spotlight that would introduce members to the club

501(c)3 status– Bernie

1. Effective May 2024 the club is a 501(c)3 organization.
2. Peter will present a draft form letter next board meeting to be able to give donors.

Swap and Shop – George

1. Mark Bowers KK6UKU will be taking over for Rich Combs KN6HSR in February as the Swap and Shop Chairperson

Adjournment

1. George adjourned the meeting at 8:21 PM.

Minutes submitted by:

Ryan Mahoney (W6RAM)– LARK Secretary

Community Activities



**We NEED You!
Sign Up NOW**

LIVERMORE GRANADA BOOSTERS ANNUAL

Race to the **FLAGPOLE**

Race to the Flagpole - Saturday, January 25, 2025

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

This is the Livermore Granada Booster's main fundraiser of the year, and all proceeds go towards the Livermore Granada Boosters Olympian Scholarship program. This event is open to all ages and abilities. We host this event to encourage awareness and appreciation for fitness, as well as to foster community pride.



Livermore 1/2 Marathon - Sunday, March 2, 2025

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

Experience our event and course, with postcard views and a synchronized queue of our amazing wildlife, you'll enjoy a full sensory moment, as you pass through gorgeous vineyards, lush hop vine fields, mature olive groves and so much more.



48th Cinderella Bike Ride - Saturday, April 5, 2025

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

The Cinderella Classic, Challenge and Short rides are 65/100/35-mile recreational bicycle ride (not a race) for women & girls only.



BY ENDURANCE WE CONQUER
205 miles - 20,000 ft

Devil Mountain Double Century - April 26, 2025

Signup link coming soon (Subject to change depending on support)

The event is 200 mile, one day, bike ride for about 50 riders. LARK's help is requested for the Mines Road segment (where cell phones don't work) starting South of Livermore to the summit of Mt Hamilton.



Devil Mountain Run - Sunday, May 5, 2025

Signup <https://www.signupgenius.com/go/10C0844AEAD28A6FA7-devil1>

This event takes place in downtown Danville and is a foot race - 5K, 10K, and One Mile fun run.

January Show and Tell

Any questions contact the presenters. All photos below by Jerry, N5KA



Clancy, N6FQQ and his New Go-Box on Wheels



Don, W2DON shows his vintage Kenwood TS-520



Mel, W6BNG and Clancy N6FQQ sort out 90v batteries

David, K6WOO shows his bicycle mobile radio base station setup



Bill, K7WDS showed his Yaesu FT-60 with mic desktop stand (no picture). This is the STL link - <https://www.thingiverse.com/thing:6921547>



LARK members enjoying the Show and Tell

Tony, KF6JS showing his roof mounted tower that he built himself



All photos below by Tony, KF6JS



Tony, KF6JS and John, WX6G

All photos below by John, WX6G

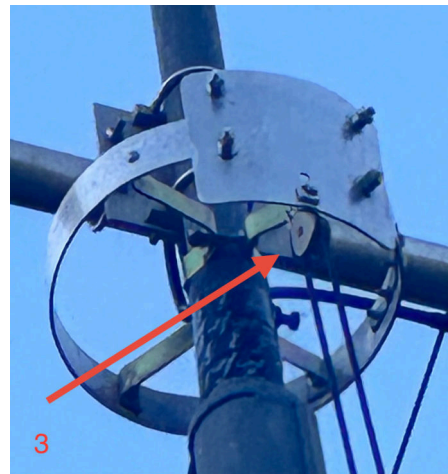
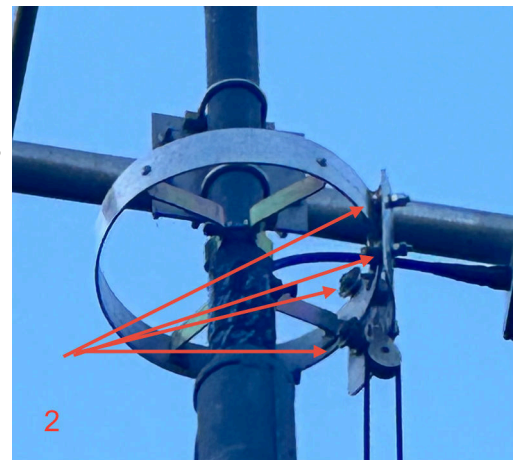


Tower with hand made adapter for 80 m dipole

Tony, KF6JS



Adapter allows beam to rotate as dipole stays in a fixed position



Pulley allows to raise/lower the dipole without bringing tower down

Antenna of the Month

Using a 40 m Dipole on 15 m With a Better Match by Gary, NA6O

It's possible to use any dipole on its third harmonic (or even higher, odd harmonics) while obtaining a usable match on both bands. This is very convenient, giving you two bands for the price of one, and is attempted most commonly with 40 and 15 m bands (7 and 21 MHz). However, the desired match does not occur exactly at the third harmonic, but rather at a somewhat higher frequency. For instance, a 40 m dipole resonant at 7.0 MHz will also be resonant at 22 MHz, which is way above the top of the 15 m band (Fig. 1). You'll find that the SWR is near 10:1 within the band, and it's quite possible that your antenna tuner can't match it very well, if at all.

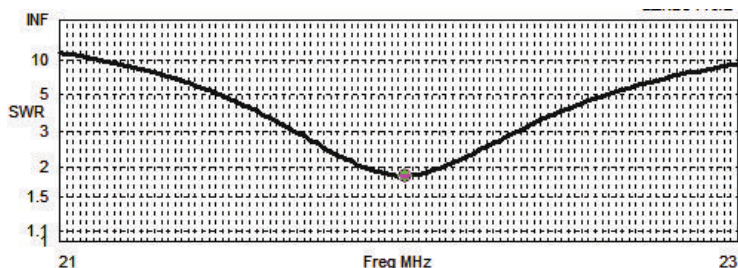


Figure 1. SWR of a basic 40 m dipole up 30 ft on 15 m. It's resonant at 22 MHz with an impedance of about 90 ohms. This could be difficult to match...

Here is a simple solution that I've been using for many years. All you have to do is add small "hats" about 1/3 of the way out on each side of the dipole, which is about 1/4 wavelength on 21 MHz. The diagram in Fig. 2 shows typical dimensions. The hats are pieces of wire soldered at their midpoints to the main conductor. I like to use 0.063 inch bronze brazing rod which is available at welding supply stores, but any kind of stiff wire will do. Bend it a little so it forms a bit of an inverted vee, then it won't spin around all the time.

The exact location of the hats isn't too critical. I put them at 11 ft out from the center. Trim the overall dipole for resonance on 40 m, then check it out on 15. If you want to further refine the resonance on 15 m, you can trim the length of the hats. The tuning

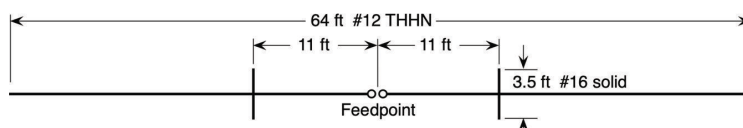


Figure 2. Typical dimensions of the 40/15 m dipole. Remember to leave your wires a bit long for trimming.

rate is about 33 kHz per inch, so trim carefully. Changing the hats will also slightly affect the 40 m resonance at about 12 kHz per inch. In the end, you will easily cover the whole 15 m band with a reasonable SWR. It will be far better than without this trick! Note that this antenna will probably be a better match to 75 ohms, but it's fine with 50 ohm coax for any antenna tuner (Fig. 3).

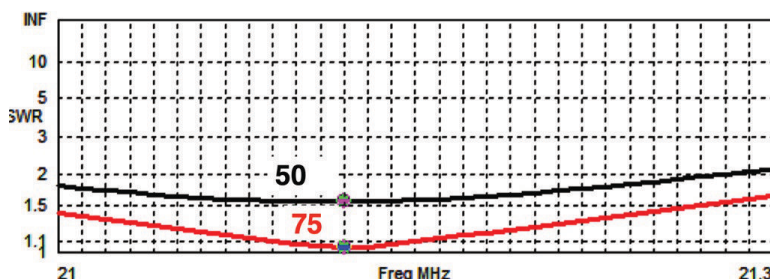


Figure 3. SWR plots on 15 m with the added hats. Note that it's a better match to 75 ohms which is typical of dipoles at this height (30 ft).

I should also mention that the radiation pattern (Fig. 4) on 15 m is quite complex since it's no longer a simple 1/2-wave dipole (the hats have nothing to do with that fact). Peak gain is actually greater than a dipole but there are also many nulls.

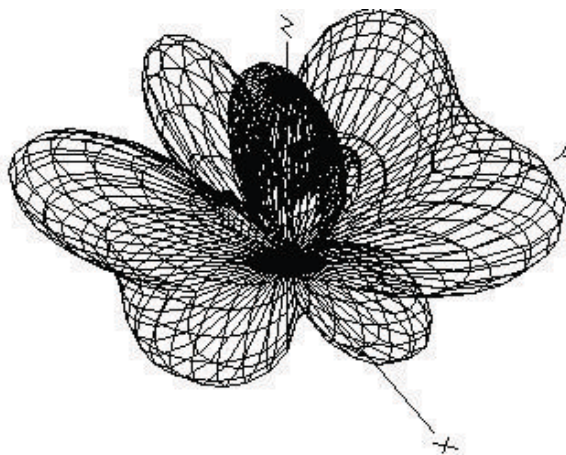


Figure 4. Three-dimensional radiation pattern on 15 m.

Figure 5 shows my original installation on a low-observable 4-band fan dipole (40, 30, 20, and 15 m). I used 18 AWG solid wire for the hats in this case and actually spliced some on because it was a first experiment. The thing has survived for 12 years so far.

Has this been published elsewhere? Yes, in the June 1991 QST it was mentioned in a general article about dipoles by NJ2L. Sadly, it's never made it into the ARRL Antenna Handbook. If you want to try simulation with EZNEC or some other tool, this makes a great exercise. Speaking of simulation, I wondered if this method would work on an 80 m dipole, making it usable on 30 m. It will, however the hats are about 9 feet long. Perhaps this could be implemented with wires pulled out via insulators and string. Further simulation and experimentation is in order here. be obtained by adjusting the feed point elevation. Then the counterpoise wire is trimmed for resonance. These adjustments interact and experimentation is required. This is like any off-center fed antenna, where the choice of feed point location will set the basic impedance. And as I said, every installation is different so it's impossible to give you simple rules of thumb. Some stations seem never to obtain anything near 50 ohms and require a matching network.

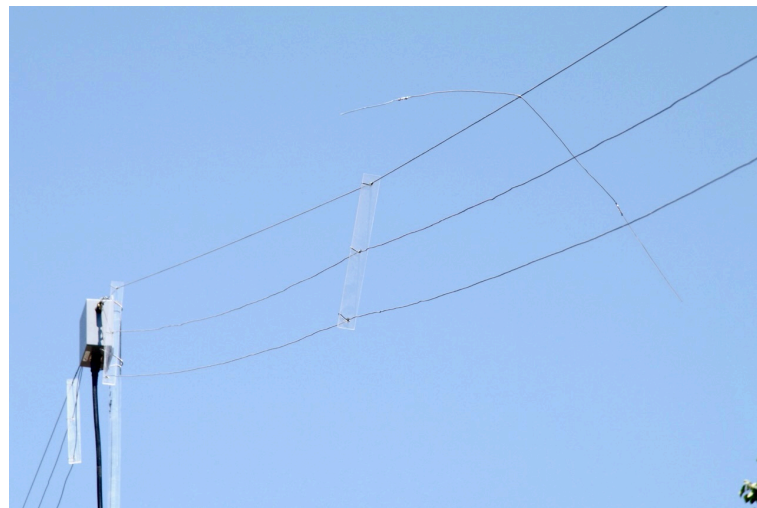


Figure 5. My fan dipole with the 15 m hat.

Next Month: Fan Dipole

Everyone should explore **EZNEC** a free and very powerful program, available from <https://www.ez nec.com/> and discussed in the *ARRL Antenna Handbook* among other places.

Member Spotlight

This month **Don, W2DON** is our member spotlight.



Name/Call Sign: Don Reynolds, W2DON

Past call(s): KN6YGO, AK6JJ

Home Location:

Livermore, but I grew up in Niles and have lived all over the East Bay. Very grateful to have met my XYL here 8 years ago!

Property/Lot size: 5990 sq. ft.

Antenna(s):

HF: 20/40m DIY dipole for Tx approx. 25 ft over the backyard on a Spiderbeams telescoping pole. I have a "loop on the ground" in the front yard for Rx if the dipole hears noise.

VHF/UHF: Comet GP-3 vertical approx. 17 ft. high

What's in your shack?

Yaesu FT891 with a Kenwood TS-520 as the backup HF rig. To tune up bands outside 40/20m, I use a Drake MN-2000. I have an ACOM 1010 amp but run without it usually.

For VHF, Yaesu FTM-6000 in the shack and an FT-60 handheld mobile.

All chassis are bonded at the bench and grounded to a bus bar at the shack entrance, which ties coax arrestors to house electrical ground and the masts' grounding rods.

What is your career (or what was your career)?

My career is in audio technology and acoustic test with education in Sound Art and Electrical Engineering. I work for a tech company on speech processing, audio hardware and acoustics in electric cars and humanoid robots.

Previously I worked for some hearing aid companies and hold 5 utility patents for hearing aid signal processing. I got my start in audio as a musician and recording studio manager. I gigged

locally, produced artists/bands + wrote commercial music heard on NBC/ESPN/Cable and in ads for Kia + more.

Married, Kids, Grandkids?

I'm married to my beautiful wife Melonie, we have a 3 year old daughter who might just be the youngest LARK member.

What type of operating do you do?

I'm active on HF in FT8 and SSB modes, learning CW slowly. On phone, I've enjoyed the recent 10m ARRL contest and have regularly joined a couple 40m late nets to trade QSL cards. **Rob, K6KM** took me out to activate Del Valle for my first POTA recently on 10m.

On VHF I've enjoyed volunteering at LARK events, joining nets and using packet (APRS/Winlink/BBS). I like to take the 5W handheld to Sycamore Grove to hit distant repeaters.

Any other hobbies besides ham radio?

I enjoy cycling and have played guitar for 25 years. Maybe some video games as time allows!

Misc.

I am pretty new to amateur radio, getting licensed as a tech in 2023 and upgrading to General/Extra in 2024. The welcoming field days and accessibility/frequency of LARK's VHF nets encouraged me to join the Klub after getting my tech license.

The members in the LARK Discord server in particular have been a great source of inspiration and fellowship. They've helped me grow to make 1000+ QSOs from in my first 6 months on HF, completing my ARRL "Worked All States" mixed mode award and 700 LoTW QSL's from 74 countries. I'm proud to be a part of LARK and hope to give back as much as it's given me.

Training

One-Day Ham Radio Class

Once again, volunteers from Benicia Amateur Radio Club will conduct a One-Day Ham Radio Class. This class is intended for those wishing to get an entry level technician license or existing Techs wishing to upgrade to General.

When Feb 1, 2025 8:30am-5pm

Where Benicia Senior Center
1201 East 2nd St.
Benicia, CA 94510

Cost \$35 includes all study material, venue, refreshments, handouts, and exam fee. After the application is Processed by the FCC you will need to pay a separate \$35 fee directly to FCC.

Info/Signup <https://beniciaarc.com/hamclass/>

Questions hamradioclass@beniciaarc.com or contact class coordinator Bob Fentress at 707-742-3227



USS Hornet Ham Class

The Hornet ARC will be hosting a one-day Technician Class licensing session on board the USS Hornet on March 1, 2025.

Beginning January 7, 2025, Mount Diablo Amateur Radio Club is offering an 8-week course plus two Get On The Air (GOTA). Course and GOTA cost is \$15.

The class will be taught by Rich Harrington, KN6FW and Paul Shinn, K6FRC. There is a \$15 fee for the exam and a \$35 licensing fee to the FCC. Applicants must first obtain an FRN from the FCC in order to attend the class and take the exam.

When March 1, 2025 7:30am-5pm

Where USS Hornet, Ship's Wardroom

Questions Rich Harrington at 925-462-1467 or <http://nb6gc.org>

Study materials for the class can be downloaded at the rdf-sf Library page: <https://qsl.net/s/sfthunt/rdf-sf/library/> Click the "Tech Class 2024" link to download the study materials.

FCC FRN Registration <https://www.fcc.gov/wireless/support/knowledge-base/universal-licensing-system-uls-resources/getting-fcc-registration>

Crossword Puzzle

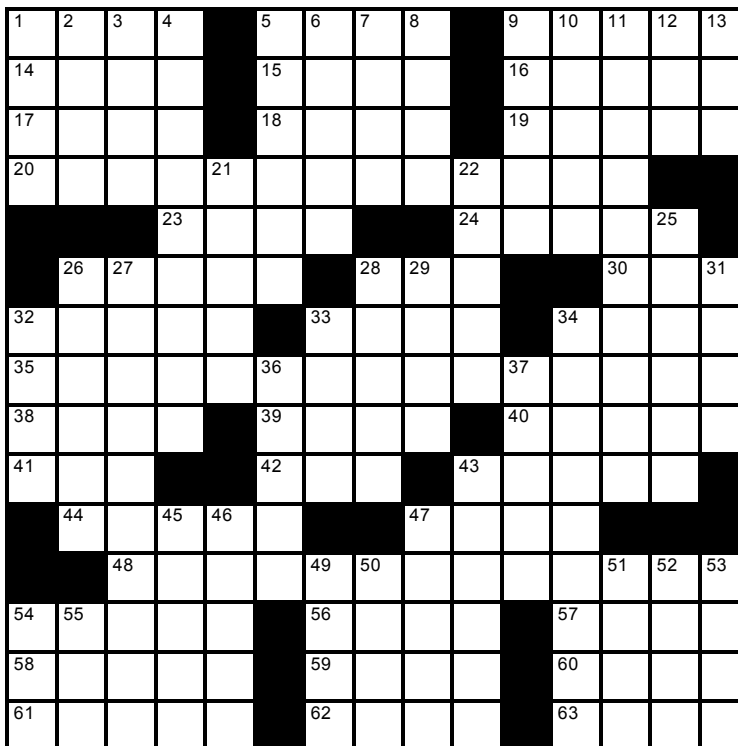
by Chris Codella, W2PA

10/29/2007

Propagation

Across

1. "WRTC grand ___" - working all 1x1 calls
5. Parts supplier McMaster-___
9. Sword handles
14. Digital music std.
15. Silent Key article, briefly
16. Fill with joy
17. Antenna restrictions might be on this
18. A craving for that last multiplier, say
19. Northern city with F call prefix
20. DXers' mood swings?
23. Decades over S9
24. Sharpens
26. Early term for static crash (1920's)
28. Nothing more, on CW
30. Ocean
32. "Air" for an early ham
33. ___ gum - a thickening agent



34. Hams xmit and rcv with them
35. The way, for signals
38. A non-radio bug
39. A hamfest of the Internet
40. Type of eel
41. Code inventor, for short
42. A comfortable ham shack might be here
43. Law school course
44. VK animal
47. Baseball glove
48. A six or ten meter DXer's hope
54. Do this on your meter to measure line voltage
56. Board here, for going /MM
57. Capacitor dielectric material
58. CW predecessor
59. Medical breakthrough

60. Vy much
61. DC power sources, briefly
62. Cluster item
63. Maine prefix, possibly

Down

1. Tiny parts (abbr.)
2. In ___ of (instead of)
3. Gulf of ___, off the 70 coast
4. Where not to change horses
5. VK was once a British one
6. Borders on
7. A microprocessor type, briefly
8. Non-military RATT
9. "___ radio" (testing, sometimes)
10. SETI call answerer

11. Calling CQ TEST one minute before the contest begins
12. Kind of logic ckt
13. You can do it with ATV
21. Lively
22. Boorish sort
25. Told someone to wait, on CW
26. Winning several contests in a row
27. It might increase your amplifier's blower speed
28. Holy book, in HZ-land
29. R-rated, maybe
31. Grayish
32. Oval insulators
33. Jeer
34. A contester, in a broader sense
36. Fragrant wood
37. Ham it up, in a way

43. FCC license, slangily
45. Like an untouched Heathkit
46. Freezes a digital VFO
47. Prefix with chip or wave usually
49. They feed DSP ckts, usually
50. Arrange, as hair
51. Prefix with watt
52. Clickable image
53. Gourmet cracker spread
54. Particularly slim type of AM
55. 3-land ARRL section

Swap n' Shop Cave

New Shop Keeper coming in February!



February Calendar

<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>	<u>Sunday</u>
					1	2
3 Net	4	5 10-10 Net HH Net	6 Tech Net	7	8	9
10 Net	11	12 10-10 Net HH Net	13 Tech Net	14	15 LARK Meeting	16
17 Net	18	19 10-10 Net HH Net	20 Tech Net	21	22	23
24 Net	25	26 10-10 Net HH Net	27 Tech Net	28		

LARK MONDAY NIGHT NET
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

January

Date	Net Control
1/6/2025	Jon / WB6AEA
1/13/2025	EOC
1/20/2025	Ron / AD6KV
1/27/2027	Ed / AE6D

February

Date	Net Control
2/3/2025	John / WB6ETY
2/10/2025	EOC
2/17/2025	Jon / WB6AEA
2/24/2025	Ron / AD6KV

March

Date	Net Control
3/3/2025	Ed / AE6D
3/10/2025	EOC
3/17/2025	John / WB6ETY
3/24/2025	Jon / WB6AEA
3/31/2025	Ron / AD6KV

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	Primary Net Control	Backup Net Control
1/2/2025	Nate / N8MOR	Noah / N6TW
1/9/2025	Rich / KN6HSR	Brian / KA6ZED
1/16/2025	Bill / AJ6UU	Don / W2DON
1/23/2025	David / K6WOO	Peter / AI6RG
1/30/2025	Noah / N6TW	Nate / N8MOR
2/6/2025	Brian / KA6ZED	Rich / KN6HSR
2/13/2025	Don / W2DON	Bill / AJ6UU
2/20/2025	Peter / AI6RG	David / K6WOO
2/27/2025	Nate / N8MOR	Noah / N6TW
3/6/2025	Rich / KN6HSR	Brian / KA6ZED
3/13/2025	Bill / AJ6UU	Don / W2DON
3/20/2025	David / K6WOO	Peter / AI6RG
3/27/2025	Noah / N6TW	Nate / N8MOR

Regularly Scheduled Nets

LARK/LIVERMORE NET	Every Mon	1900 local 147.120+	PL 100
RACES Net	Every MON.	1900 local	
Windfarms 10-10 NET	Every WED.	1930 local 28.485	USB
HamShack Hotline Net	Every WED.	1900 Bridge 363	PIN 0331
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	EVERYDAY	1200-1400 LOCAL	7.2685 LSB & 3970 LSB
RV RADIO NET	MON - FRI	0800-0930 LOCAL	7.2685 LSB

LARK Contacts

**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	Peter Bedrossian	AI6RG	p.bedrossian@comcast.net	925-606-1342
Board (PP)	Roger Deming	KK6RD	rogerdeming@yahoo.com	925-484-1285
Board	David Counts	KG6WIR	dccounts@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
	Steve Nissen	K8YIP	s.nissen55@gmail.com	650-270-3796
Repeater Chair	Ian Parker	W6TCP	w6tcpian@gmail.com	
Web Site	Arnold Harding	KQ6DI		
Newsletter Editor	Gregory Kiyoi	KN6RUQ	gkiyoi@gmail.com	925-456-4734
Membership	Julian Riccomini	WB6BDD	wb6bdd@gmail.com	
Net Coordinator	Ed Diemer	AE6D	ae6d@arrl.net	
RFI	Gary Johnson	NA6O	gwj@me.com	
T-Hunts	Brian Zoraster	KA6ZED	ka6zed@gmail.com	925-786-8412
	Rich Harrington	KN6FW		
Swap n Shop				
Ask the Elmer	Lee Zalaznik	KI6OY	lee.zalaznik@sbcglobal.net	925-699-5998



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



Special interests: View: AREDN Mesh <http://www.aredn.org>.

CERT NEWS: CERT contact - Email: cert@lpfire.org or (925) 454-2361

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	
AARL 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>	