LARK NEWS August 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

Field Day Photo by Tony KF6JS

Photo by Gary NA6O

George KG6GEM, John WX6G, and Piyush Photo by Tony KF6JS

Bill AJ6UU, David K6WOO, Aaron N6ACA, and Don W2DON Photo by Tony KF6JS

Contents

Presidents Message

I want to thank **Brian KA6ZED** for making the coffee and picking up the refreshments for monthly meetings. I would like to have someone help him if possible, please let me know. 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:

- **Patterson Pass Road Race - Sun, Aug 3rd**
- **Pacificon Booth - Sat/Sun, Oct 11th & 12th**
- **Pacificon Swap Meet - Sun, Oct 12th**
- **Cycle for Hope Bike Ride - Sun, Oct 19th**

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.

This year's ARRL Field Day activity on June 28th and 29th was coordinated by **Nate N8MOR** and **Tony KF6JS**, thank you for your efforts. It was another successful event.

I wanted to thank **Ron AD6KV** and **VE Team** for continuing to provide a way for hams to get their testing completed.

The Technical Interest Group is becoming more active with project ideas. If you want to participate or have ideas, contact **Ron AD6KV**.

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

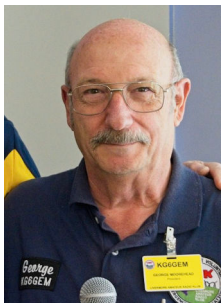
I encourage you to check in with the LARK Monday, Wednesday (10.10 Windfarms Net), and Thursday night nets, held every week. There are other nets available, and they can be found on the LARK website. It is good experience getting on the air.

I want to thank **Ed 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 (kg6wiu1 at comcast dot net)



Notes from the Editor

Thank you to **Gary NA6O** for his presentation "Locating and Killing Receiver Interference" at the club meeting.

- Presentation Link - https://na6o.com/rfi/ewExternalFiles/Finding_Noise_NA6O.pdf
- His RFI Website - https://na6o.com/rfi/rfi_home.html
- Presentation Recording - https://youtu.be/UMZcgHTSyGs

Bill K7WDS recently purchased an AnyTone AT-D168UV HT. Shortly after it arrived he designed a HT desktop stand and mic holder for it.

Thank you for all that have sent articles, pictures, and feedback. The newsletter is a collaborative process, please keep sending me your articles and ideas.

Gregory KN6RUQ *editor at livermoreark dot org*

Monthly Meeting Minutes

LARK Monthly Meeting Minutes/Saturday, July 19, 2025/9:30am

Attending the meeting: 45 members/4 Guests/10 on Zoom

Quick recap

The main presentation focused on radio frequency interference (RFI) sources and mitigation methods, covering FCC regulations, practical solutions, and various interference reduction techniques. The conversation ended with updates from team members, coverage of upcoming events, and a review of the recent ARRL Field Day activities, along with discussions about emergency communications coordination between Livermore and Pleasanton.

Next steps

- Herbert Cole/Leo Lopez: Coordinate frequency plans between CERT, County OES, and LARK by October
- Herbert Cole: Set up background checks for emergency communications volunteers at new EOC
- David Counts: Continue coordination with county health services for hospital net implementation and radio installations at VA hospital and Highland
- Tony: Begin planning and coordination for Field Day 2026
- Ron/John/Roger: Create and distribute "how-to" guide for transitioning from Hamshack Hotline to Hams over IP
- George: Compile and send minutes to Greg by Monday night for newsletter
- David Counts: Recruit local operators from club for hospital net operations
- Members: Sign up for Patterson Pass Road Race volunteers through website
- Members: Sign up for Pacificon Booth and Swap Meet and Cycle for Hope volunteers, will be available on the LARK website soon
- Members: Volunteer for Thursday night Net Control positions

Presentation, "Locating and Killing Receiver Interference" by Gary NA6O

Gary presented a comprehensive overview on identifying and mitigating receiver interference, covering natural sources, intentional emitters, and unintentional emitters. He emphasized the importance of documenting interference patterns, using various tools like loop antennas and spectrum analyzers for direction finding, and employing techniques such as unplugging devices to locate noise sources. Gary also discussed the FCC regulations regarding interference and shared practical solutions, including replacing noisy devices and using more noise resistant equipment.

Reducing Electromagnetic Interference Techniques

Gary then explained how common mode current causes electromagnetic interference and described methods to reduce it, including the use of chokes and ferrite cores. He demonstrated the effectiveness of ferrite cores in reducing noise from a lithium-ion battery charger by winding the power cord through a toroid core. The demonstration showed that while the noise was reduced, it was not completely eliminated, highlighting the challenges of mitigating interference from nearby electronic devices.

RFI Sources and Mitigation Strategies

The presentation focused on various sources of radio frequency interference (RFI) and methods to mitigate it. Gary explained how different electronic devices, such as wall warts, LED lights, and solar systems, can generate RFI, and provided recommendations for reducing their impact, including using filtered outlets, chokes, and properly engineered equipment. He also covered techniques for identifying and reporting high-voltage power line noise, as well as strategies for improving receive antenna performance and reducing a station's susceptibility to noise. Gary emphasized that proper filtering and choke placement can significantly reduce RFI, and recommended consulting resources like ARRL and K9YC for further information on RFI mitigation.

Updates and Reports

The meeting covered updates from various team members. Chris reported being online but had no new updates. Peter mentioned that anyone needing reimbursement for Field Day should contact him. Steve K8YIP requested ideas for guest speakers and encouraged contacting Jerry or him for suggestions. No other significant updates or decisions were made during the meeting. The minutes from the previous meeting were approved unanimously.

Old Business

The meeting covered upcoming events including the Patterson Pass Road Race, Pacificon Booth on October 11th and 12th, and Swap Meet on October 12th, and a Habitat for Humanity bike ride in Dublin on Sunday, October 19th. The club's membership was reported to be 146, down from 160 last year. The group discussed the transition from Hamshack Hotline to Hams Over IP, with members sharing their experiences using the new VoIP service. Tony presented a report on the ARRL Field Day event held at the Livermore Airport, which was titled "Radio Connects."

Tony shared photos and stories from Field Day, highlighting the participation of various club members and visitors. He announced that the next Field Day will be held on June 27-28 of 2026. Tony has agreed to be the contact for the 2026 event.

New Business

The group discussed the transition of emergency communications to the City of Livermore's Emergency Operations Center, with Herbert and Leo providing an overview of the new radio room and plans for coordination between Livermore and Pleasanton. They emphasized the need for background checks and coordination of frequencies for amateur radio operators involved in emergency communications. The conversation ended with a reminder to sign up for volunteering at upcoming events and a brief discussion about the Thursday night Newcomers Tech Net needing Net Control operators.

The meeting adjourned at 11:35am.

Meeting minutes submitted by George KG6GEM for Ryan W6RAM.

Board Meeting Minutes

LARK Board Meeting Minutes/Monday/July 14, 2025 Draft

The meeting was called to order by George at 7:35pm. In attendance for the meeting was: George KG6GEM, Jerry N5KA, David KG6WIR, and Nate N8MOR.

Quick recap

The meeting began with administrative updates including meeting notices, attendance notes, and financial matters, followed by discussions about ongoing technical projects and upcoming events. The group reviewed membership numbers and plans for a membership drive, while also addressing changes needed for swap and shop business practices due to new accounting requirements. The main focus was on emergency communication initiatives, particularly the deployment of ham radio operators at hospitals in Alameda County, along with discussions about earthquake preparedness and the importance of reliable communication systems during emergencies.

Next steps

- Nate to email George and Roger about his anticipated schedule for upcoming meeting Saturdays.
- Peter to work with Mark on figuring out the proper steps for swap and shop operations under the new 501(c)(3) status and present findings to the board.
- David to get the VA Hospital administrator's name and pass it to John for reinitiating ham radio operations there.
- David and John to bring up the hospital ham radio volunteer opportunity at the next LARK meeting once initial setup is complete.
- Jerry to have Gary W. Johnson give a talk about RFI interference at the upcoming Saturday meeting.
- Jerry to continue trying to secure CS131.2 for August or September meeting.
- Tony to make a field day report at the next meeting.
- Tony to bring field day receipts to the next meeting for reimbursement.
- George to confirm if Roger will be at the Saturday meeting.

Summary

Meeting Notice and Technical Challenges

Jerry reported that he had revised and completed a meeting notice, which was ready to be published after final review by a few people. The meeting was described as small, with only a few attendees present, including David, George, Jerry, and Nate. Technical difficulties with audio and video connections were experienced by some participants, but they were able to resolve them during the meeting.

Upcoming Events

The meeting began with George noting that several members were absent, including Ryan who is on his honeymoon, and others who had various commitments or health issues. George confirmed that the LARK accounts is in good standing and reminded attendees to bring receipts for reimbursements. Nate reported that ODP has been holding during nets, though the cause is unclear. Jerry announced an upcoming talk by Gary W. Johnson about RFI interference and mentioned ongoing efforts to secure a CS 131.2 speaker for August or September, though no firm date could be confirmed.

Upcoming Events and Membership Updates

George announced upcoming events, including a Civil Air Patrol Training Mission at 5 Rivers aviation on July 25-27, the Patterson Pass Road Race on August 3, Pacificon, and Cycle for Hope in October. He also mentioned that the Cinderella 2026 event, celebrating its 50th year, will take place next year and will be based out of Dublin. George reported that membership numbers are around 142-143, and Bernie will soon start a membership drive for renewals and new members probably in October. The field day was deemed a success, and Tony will provide a detailed report at the next meeting.

Swap Shop Compliance and Coordination

George discussed changes needed for the swap and shop business practices due to new accounting requirements and potential need for a seller's permit. Peter and Mark are working on details to be presented to the board, including how donations will be handled and compliance with state and federal tax regulations. George requested Nate to send an email about his schedule to coordinate attendance at an upcoming monthly Saturday meeting, with Roger potentially covering if Nate cannot attend.

Ham Radio Deployment in Hospitals

David discussed the initiative to deploy ham radio operators at various hospitals in Alameda County, starting with the VA Hospital. He explained that new radios, power supplies, and computer interfaces are being installed, with the county providing support despite the hospitals not being county facilities. David mentioned that the project has been in the works for five years and involves collaboration with county health services, sheriff's com team, and local hospitals like Kaiser. The goal is to ensure emergency communication capabilities, with operators being validated for security access. David plans to reintroduce John to the VA Hospital administrator and will seek more volunteers for hospitals without ham operators, focusing on those near the facilities.

Hospital Emergency Communication Plan

David explained the plan to establish communication with hospitals during emergencies, involving the use of radios tuned to specific frequencies for monitoring verbal and WinLink communications. He emphasized the need for volunteers to be vetted and background-checked, as hospitals cannot accept unverified individuals. David mentioned the goal of forming teams of 4 to 5 people per hospital, with the possibility of more if the hospital agrees to additional vetting, to ensure reliable communication and operation of radios. He noted the county's motivation to participate, with high-level individuals expressing interest in health services, and highlighted that in emergencies, communications will be direct to the EOC to avoid delays.

Earthquake Preparedness and Communication Systems

The group discussed earthquake preparedness and emergency communication systems. David explained that recent earthquakes in Dublin and Walnut Creek demonstrate active faults, prompting the need for better preparedness and training in using radios and Winlink operations. They agreed to conduct regular drills, with a direct link to the county for quicker response times, particularly important for the hospital's communication needs. Jerry shared a past experience of a hospital power outage, highlighting the importance of emergency generators, while David mentioned ongoing power issues at the courthouse and emergency services building.

Minutes submitted by George Moorehead KG6GEM for Ryan Mahoney W6RAM

Community Activities

We NEED You!
Sign Up NOW

Patterson Pass Road Race - Sunday, August 3, 2025

Signup ***https://www.signupgenius.com/go/10C0844AEAD28A6FA7-patterson1***

This event takes place in the hills east of Livermore. The races start at 8am and finish about 1pm. As a ham radio volunteer, you are there to provide emergency communications at planned stationary posts from 7am to approximately1pm.

Antenna of the Month

Multi-Band Verticals by **Gary Johnson, NA6O**

A holy grail for many hams is an antenna that's usable on nearly all bands that takes up very little room. This time we're talking *multi-band verticals*. While compromised in several ways, they at least get us on the air. For this survey, we'll only consider the contraptions that are resonant on their supported bands (without adjustment) as opposed to the non-resonant ones that are heavily reliant on an antenna tuner, such as a 43-foot vertical.

What About Radials?

Every vertical antenna has an associated ground radial system, sometimes called a counterpoise. When dealing with multiple bands, an effective solution is ground-based radials which are non-resonant. The drawback is that you have to deploy quite a few long wires in your yard in order to achieve good efficiency (radials provide a low-loss return path instead of the lossy Earth). Another solution could be *elevated* radials which are resonant, but that would mean that you need separate wires for each band, and that's quite a cobweb. Yet another solution is an *off-center fed vertical dipole* (OCFVD) where the radials are a single, fixed length, and need not be very long. We'll review a couple of designs like that.

Some Models That Use Ground Radials

Reminder: All of these antennas require a robust ground radial system in order to maintain efficiency. See the *ARRL Antenna Book* for some design recommendations and tradeoffs for ground radials.

DX Commander [Ref.1] offers several models that use ground-based radials covering everything from 80 through 2m. For the vertical elements, they use an array of parallel 1/4-wavelength wires, making this the vertical equivalent of a fan dipole and nicely resonant on all bands. This is electrically very simple with no traps or elaborate mechanical contraptions though some elements fold back or have small loading inductors. Their kits include plastic guides that keep the wires parallel (Fig 1.). Assuming you can put down an adequate radial field, this will be an efficient antenna with good bandwidth on each band. A drawback is that it's going to be tall, e.g., 33 ft for 40m. They do have a loading kit for 80m to keep it from ending up in the stratosphere. Overall, I really like these antennas because of their straightforward design, efficiency, bandwidth, and power handling.

Figure 1. Detail of the wire guide/guy ring on a DX Commander vertical.

Hustler is an old brand (now owned and sold by DX Engineering) of trapped verticals that require ground-based radials. For instance, the 6BTV covers 10, 15, 20, 30, 40, and 80m and is only 24 ft tall. There are five traps in series which add inductance thus shortening the antenna on the lower bands. They are rated for high power (1 kW CW) and have reasonable SWR bandwidth except on 80m where it's roughly 80 kHz (2:1), which is typical of any shortened antenna. The only issue I have is loss in the traps and the possibility of trap failure with weather and time.

Butternut is another older company now owned by DX Engineering offering a 6- and a 9-band version. The HF6V covers 10, 15, 20, 30, 40, and 80m and is 26 ft tall. They use several interesting tricks including loading coils, traps, and transmission line matching sections.

Their traps are pretty serious, being made of large aluminum tubing and low-loss ceramic capacitors (Fig. 2). This minimizes loss and fully supports high power. Once again its reduced height means bandwidth will be limited on 40m (150 kHz, 2:1) and 80m (<80 kHz). Like all complex multi-band verticals, plan on spending some time with an antenna analyzer and your toolkit to adjust the SWR on each band per the instructions. And if you choose the big brother with nine bands, tuning may be even more interesting. Overall, this is another solid though complex antenna design.

Figure 2. Closeup of a Butternut trap. This is very robust and low-loss design.

The OCFVD Vertical

Hy-Gain and **Cushcraft** made a number of popular models based on off-center fed vertical dipoles such as the R6000, R9 and AV640, but with the demise of MFJ, they are only available on the used market. Today there are a couple of other companies making antennas of this type that we'll cover. But first, how do these antennas work?

As an antenna hacker, my hat is off to the folks who designed these OCFVD contraptions using an arsenal of tricks. We begin with an off-center feed point. On the short end (nearer to the ground), add a set of radials of modest length, commonly about 6 ft long and made of stainless steel.

Like an OCF dipole, you can experimentally find a place near one end that yields a similar impedance on all the desired bands. It's similar on all bands, but not 50 ohms, so you add a matching transformer to yield a reasonable SWR.

To improve the match on various bands, add some traps. These effectively cut off the far end of the antenna at their resonant frequency. They also act as an inductor at other frequencies, shortening the antenna. Traps can also be added to the radials.

Next, add some capacitance hats near the top of the antenna. These are a low-loss method of lengthening the antenna. Length of the capacity hat wires is another tuning element. And by placing them between traps, you can tune particular bands. A Christmas tree is born.

Finally, you can add one or more *coupled resonator*, or *open-sleeve elements*. These are typically 1/4 wavelength pieces of tubing that may or may not be directly connected to the rest of the antenna. Because they are resonant they literally "suck the power" away from the rest of the antenna structure on a specific band.

Somehow the crafty designer combines some or all of these elements into a reproducible package. A drawback of this complexity is that it can be tricky to tune in the field because some of the elements interact.

I should also mention that, being an off-center fed antenna, the outside of your coax must be isolated via a robust *common-mode choke*. Most of the commercial antennas include this in their matching box. The matching transformer is also under some stress and between that and the choke, quite often you will find power limitations due to overheating. Running high power, you may see the SWR start to rise. Keep going, and the whole matching unit will eventually melt!

Figure 3. Left to right, antennas from DX Commander, Hustler, Butternut, and Chelegance.

Some OCFVD Models

Chelegance model KC4 [Ref. 2] covers 40, 20, 15, and 10m and is 26 ft long with 9 ft radials. They use three traps in the vertical plus capacitance hats. It has limited power handling, such as 500 W on CW, which indicates that the matching system is under stress and probably dissipates a bit of energy, typical of this kind of antenna. It's pretty light (16 lbs) and doesn't take up too much space. Mount it up on a pole as high as you can. This may be the only viable OCFVD antenna on the market at the moment…

Diamond Antenna model CP6AR covers 75, 40, 20, 15, 10, and 6m. It uses three traps plus capacitance hats and, unusually, tuned radials with traps. It's only 13 ft tall and radials are 6 ft long. Because it's so short, SWR bandwidth and power handling a highly compromised. For instance on 75m, bandwidth is only about 20 kHz and on 40m about 30 kHz. Also, it's only rated 70W CW. Clearly there's an efficiency problem in the matching box, likely qualifying this antenna as an "outdoor dummy load." The old Cushcraft antennas were taller but way better!

Installation Tips

Install guys: Many verticals require guys and they are most recommended in windy locations. Thankfully the wind loading isn't too severe so the guy anchors can usually be something simple like a piece of pipe driven in the ground, or a heavy eye bolt attached to the house, fence, or tree. Dacron rope is recommended for long lifetime in the sun.

Use an antenna analyzer: Don't try tuning up one of theses complex multi-band antennas without an antenna analyzer or it will take forever. You will have to raise and lower the antenna several times.

Elevate the base: If your chosen vertical does not use ground-based radials, it is very desirable to elevate the base of the antenna on some kind of mast or mount it on your roof. This will lower the takeoff angle and increase gain for better DX [Ref. 3]. Ideally the mast would be non-conductive but most of us just use some pipe.

Advantages and Disadvantages

As stated at the opening of this article, the reason for choosing an antenna like this is that you get multiple bands in a fairly compact installation, give or take some ground radials which at least you can hide. Efficiency is your main concern, followed by usable bandwidth, and some of the models we looked at are compromised in either or both aspects, so choose wisely. And like any vertical, we joke that they radiate "equally poorly in all directions," but seriously, any antenna is better than no antenna.

References

1. DX Commander website https://dxcommander.com/
2. Chelegance KC4 Antenna https://chelegance.com/products/cntou-kc4-shortwave-4-band-vertical-antenna/
3. Jim Brown, K9YC, "If I Could Put My HF Vertical On My Roof, Should I?" http://www.audiosystemsgroup.com/VerticalHeight.pdf

LARK Field Day

Tony Yamin, KF6JS (*All Photos by Tony)*

WOW!.....the **LARK Field Day Event** is over and boy was it was a lotta-a fun this year; puttin' up antennas, blowin' fuses, and smokin' resistors (I hope they were resistors)! Really, nothing got blown or smoked but many antennas did get 'put-up'!

We had a great turnout, not only working stations but the ***Pot-Luck Get-To-Gether*** too! There were: Operators (those who brought equipment), Visitors (those who brought their ham license), and Guests (those who were just interested)!

Bill AJ6UU and David K6WOO

Joe NR7Z

We even had a 'family' visit! Their young son and daughter play 'radio' using GMRS equipment (they think) and plan to be at a future LARK meeting to help get their Ham Licenses, so 'VE Ron', get ready to test potential young members and Dad (Piyush) too!

The Pot-Luck Get-To-Gether brought out more than just Ham 'operators'! We had spouses, moms, sons and daughters, and even a Dad with over **100 years of life!** All devoured sandwiches, baked beans, chips, cookies, cheesecake, and even more cookies!

Everyone enjoyed some great company and conversation on just about everything, had 'seconds', and ate 'till they dropped!

There are pictures posted on my shared drive. LARK FIELD DAY PHOTOS. Feel free to download what you want. I'll leave them on the drive until **Aug 31st**.

So again, the LARK Field Day Event was a blast! More about friendship than radio. Making new friends and just getting together on a casual basis instead of being a 'Mega Contest Station' and making radio contacts!

Several of us were able to test our Emergency Preparedness equipment and we did find some 'issues'; after all, isn't that what Field Day is really for?

Thanks to all that participated and/or supported the event. Special thanks to **John WX6G** for setup and takedown, **Bernie NJ6W** for "Taking Out Tha Trash", and **Nate N8MOR** for providing the contacts/detail.

Now I'm gonna go fix my 'issues' because I can't wait for Field Day '26 on June 27-28 (the 4th weekend in June). I hope to see **YOU** there too…. So…..**Plan-On-It!**

Aaron N6ACA, Roger KK6RD, John WX6G, Tony KF6JS, Phil KM6KEU

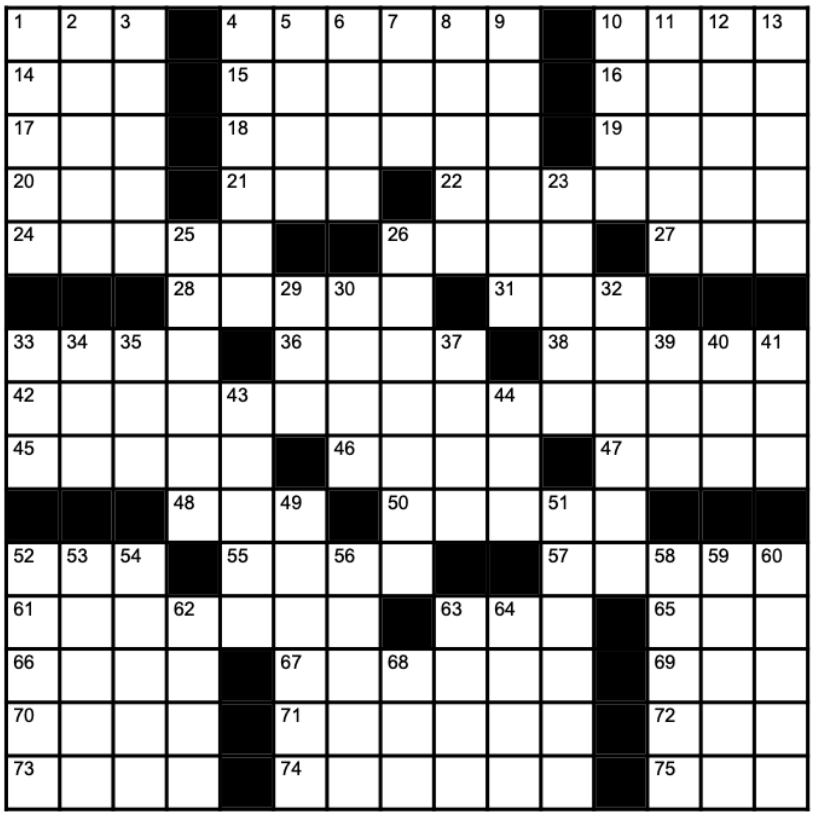
Roger KK6RD and Elaine Mazy (Associate Member)

Don W2DON, Melonie (XYL), and Annabelle (Daughter)

Crossword Puzzle

by Chris Codella, W2PA 4/6/2009

Handles



Across

1. New year's eve party
4. 32-down companion
10. Yagi, for one
14. What a keeper may keep
15. Throat ornaments
16. 1960s kit maker
17. Roman WARC band?
18. Demodulate
19. Horn sound
20. Top report, for short
21. Bigger than mins.
22. Coke flavor source
24. Superman player
26. Alternate G-land prefix
27. 86, 87 and 89 source
28. VU place
31. Pilot's prediction
33. ___ jacket
36. Venetian royal
38. 10m does it, with spots
42. This puzzle's subtheme
45. Uruguay prefix
46. Unpopular spots
47. Final (amp) resting place?
48. Elephant grp.
50. "Oh no!"
52. Sporadic E band
55. Zero
57. ARES's cousin
61. With anger
63. Bygone airline
65. Average name
66. Audio characteristics
67. Chicken
69. PQ leaders
70. "No ifs, ___ ..."
71. Epic name for SV folks
72. Gray
73. What crank-up sections do
74. 25-down variety
75. Gate type

Down

1. Benton Harbor lunchbox
2. Pet prefix?
3. Possible Indy prefix
4. Toledo team member
5. Say K
6. Grass shacks
7. Draft pick
8. Nutcase
9. Chemical class
10. Kind of test
11. Irish prefix
12. Inverter label
13. "Of, by and for the radio amateur", e.g.
23. Allow to be known
25. Leif Ericson's rig?
26. Like the Mystery Tour
29. Drill wielder: Abbr.
30. Zero place
32. Cochise's rig?
33. Eastern contest club
34. W6 airport
35. Brouhaha
37. IT9 erupter
39. W1 sect.
40. Batt. term.
41. ZP dir. from W2
43. Austrian prefix
44. Part of H.M.S.
49. Deep space object
51. Professor's aide
52. Big rig?
53. Moldovan prefix
54. Not 70-across
56. Spandex brand
58. Madison Avenue worker
59. 9Q-land
60. Benton Harbor lunchbox
62. Radiosport, for short
63. Math subj.
64. "Houston, ___ had a problem"
68. "?"

Crossword Solution

N	E	S	T		R	A	N	G	E	R		N	O	R
A	N	D	S		A	R	G	I	V	E		A	G	E
T	O	N	E		S	C	A	R	E	D		M	N	O
I	R	A	T	E	L	Y		T	W	A		D	O	W
T	E	N		N	U	L	L			R	E	A	C	T
			G	O	P		A	A	R	G	H			
C	X	O	N	E		A	C	N	E		C	A	G	E
R	A	D	I	O	S	W	I	T	H	N	A	M	E	S
F	L	A	K		D	O	G	E		O	P	E	N	S
			I	N	D	I	A		E	T	A			
R	E	E	V	E			M	O	N	E		E	T	O
E	N	N		H	R	S		K	O	L	A	N	U	T
X	I	I		D	E	T	E	C	T		T	O	O	T
I	N	N		U	V	U	L	A	E		E	I	C	O
S	K	N		M	O	H	A	W	K		B	E	A	M

August Calendar

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
				1	2	3
4 Net	5	6 10-10 Net HH Net	7 Tech Net	8	9	10
11 Net	12	13 10-10 Net HH Net	14 Tech Net	15	16 *LARK Meeting*	17
18 Net	19	20 10-10 Net HH Net	21 Tech Net	22	23	24
25 Net	26	27 10-10 Net HH Net	28 Tech Net	29	30	31

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

July

Date	Net Control
7/7/2025	Jon / WB6AEA
7/14/2025	EOC
7/21/2025	Ron / AD6KV
7/28/2027	Ed / AE6D

August

Date	Net Control
8/4/2025	John / WB6ETY
8/11/2025	EOC
8/18/2025	Jon / WB6AEA
8/25/2025	Ron / AD6KV

September

Date	Net Control
9/1/2025	Ed / AE6D
9/8/2025	EOC
9/15/2025	John / WB6ETY
9/22/2025	Jon / WB6AEA
9/29/2025	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

If you would like to volunteer or learn to be Net Control please contact Nate N8MOR (nate at nateandamy dot org)

Date	Primary Net Control	Backup Net Control
7/3/2025	Bill / AJ6UU	Don / W2DON
7/10/2025	David / K6WOO	Peter / AI6RG
7/17/2025	TBD	Nate / N8MOR
7/24/2025	Brian / KA6ZED	Rich / KN6HSR
7/31/2025	Don / W2DON	Bill / AJ6UU
8/7/2025	Peter / AI6RG	David / K6WOO
8/14/2025	Nate / N8MOR	TBD
8/21/2025	Bill / AJ6UU	Brian / KA6ZED
8/28/2025	Rich / KN6HSR	Don / W2DON
9/4/2025	David / K6WOO	Peter / AI6RG
9/11/2025	TBD	Nate / N8MOR
9/18/2025	Brian / KA6ZED	Rich / KN6HSR
9/25/2025	Don / W2DON	Bill / AJ6UU

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 dot net) 2 weeks in advance.

OFFICE	CONTACT	CALL	E-mail	Phone
President & Events	George Moorehead	KG6GEM	kg6wiu1 at comcast dot net	925 516 2676
Vice President	Chris Quirk	W6CJQ	w6cjq at yahoo dot com	925 202 1198
Secretary	Ryan Mahoney	W6RAM	ryan dot andrew dot mahoney at gmail dot com	925 786 0640
Treasurer	Peter Bedrossian	AI6RG	treasurer at livermoreark dot org	
Board (PP)	Roger Deming	KK6RD	rogerdeming at yahoo dot com	925 484 1285
Board	David Counts	KG6WIR	dlcounts at sbcglobal dot net	925 895 4698
Board	Nate Moore	N8MOR	nate at nateandamy dot org	925 577 4916
Activities	Jerry Benterou	N5KA	benterou at gmail dot com	925 321 3263
	Steve Nissen	K8YIP	s dot nissen55 at gmail dot com	650 270 3796
Repeater Chair	Ian Parker	W6TCP	w6tcpian at gmail dot com	
Web Site	Arnold Harding	KQ6DI		
Newsletter Editor	Gregory Kiyoi	KN6RUQ	editor at livermoreark dot org	
Membership	Bernie Bernstein	NJ6W	membership at livermoreark dot org	925 858 4608
	Julian Riccomini	WB6BDD	wb6bdd at gmail dot com	
Net Coordinator	Ed Diemer	AE6D	ae6d at arrl dot net	
RFI	Gary Johnson	NA6O	gwj at me dot com	
T-Hunts	Brian Zoraster	KA6ZED	ka6zed at gmail dot com	925 786 8412
	Rich Harrington	KN6FW		
Swap n Shop	Mark Bowers	KK6UKU		925 339 4212
Ask the Elmer	Lee Zalaznik	KI6OY	lee dot zalaznik at sbcglobal dot net	925 699 5998
Hospitality	Brian Zoraster	KA6ZED	ka6zed at gmail dot com	925 786 8412

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.

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.

Thank you and welcome aboard from LARK and the Membership Team.