

LARK NEWS May 2024

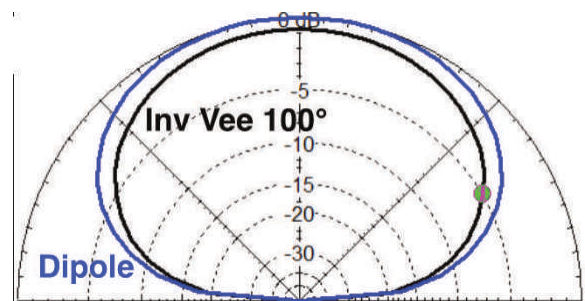
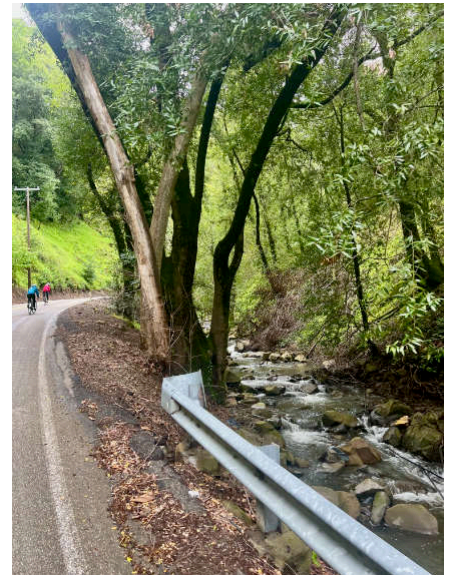


Livermore Amateur Radio Klub LARK is an ARRL affiliated club dedicated to Public Service Volunteer Emergency Communications. Meetings are once a month on the 3rd Saturday 9:30AM

***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



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Presidents Message

I want to thank **Noah N6TW** for making the coffee and picking up the refreshments for monthly meetings. He would like to have someone help him if possible. 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 2024, and I have an update:

The following events will be happening: **DMD** on Saturday, April 27th, **Devil Mountain Run** on Sunday, May 19th, and **Patterson Pass Road Race** on Sunday, August 4th.

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

There is one more event that LARK does not sponsor but we do help with support and that is the **Berkeley Hills Road Race** on Saturday, April 27th, contact **Mark Walsh** directly to volunteer.

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.

I wanted to thank **Ron AD6KV** and **VE Team** for continuing to provide

a way for hams to get their testing completed.

The yearly LARK elections will be held at the April LARK meeting.

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

A new “**Antenna of the Month**” series is starting this month. Gary NA6O will look at a new antenna each month. Thanks **Gary NA6O**.

Don McDougall W6OA became silent key on March 29th. Please find a note from his wife and an account of his life in the newsletter.

Bay Area Fox Hunts

Fox hunts or Radio Direction Finding (RDF) requires several skills. All “hunters” meet at a starting point in Fremont. The “fox” is a 1w transmitter that is hidden...somewhere. The hunt has a 3hr time limit, boundaries, and the winner is determined by the lowest mileage to get to the fox.

Kole KO6CES and I were able to participate in a Fox Hunt with Brian KA6ZED.

The Bay Area has a lot of unique challenges with mountains and valleys creating reflected signals.

The rain added another complexity. After taking an initial heading with a “tape measure” yagi we were off. We drove on our initial heading and stopped to take additional readings. Many participants use Doppler

antennas. Brian uses a KrakenSDR. Which is a coherent radio comprised of 5 RTL SDRs with 5 mag mount antennas on top of the car. A raspberry pi takes all the data to calculate the direction of the signal. There is an Android mapping app which shows travel direction and direction of the fox signal.

This time the shortest distance to the fox was 10mi. It took us 2hrs 45min and 35mi to find it. The “winner” took about 2hrs to find it.

Normally Brian can find it within 1hr. Afterwards all hunters and the fox have dinner. Discussing the adventure. Thanks to **Brian KA6ZED** for being a great fox hunting ambassador. Look forward to other fox hunts.

Please send any ideas and content to me so we can continue to have an awesome newsletter.

Gregory KN6RUQ



LARK Elected Officials 2024

Position	Name	Call Sign
President	George Moorehead	KG6GEM
Vice President	Chris Quirk	W6CJQ
Secretary	Ryan Mahoney	W6RAM
Treasurer	Peter Bedrossian	AI6RG
Activities	Jerry Benterou	N5KA
	Steve Nissen	K8YIP
Board Members		
PP	Roger Deming	KK6RD
	David Counts	KG6WIR
	Nate Moore	N8MOR
Chairpersons		
Repeaters	Ian Parker	W6TCP
Newsletter	Gregory Kiyoi	KN6RUQ
V/E	Ron Kane	AD6KV
Membership	Julian Riccomini	WB6BDD
Events Coord	George Moorehead	KG6GEM
Nets Coord	Ed Diemer	AE6D
Swap-n-Shop	Richard Combs	KN6HSR
RFI	Gary Johnson	NA6O
T-Hunts	Brian Zoraster	KA6ZED
	Rich Harrington	KN6FW
APRS Tech Coord	Arnold Harding	KQ6DI
Web Site	Arnold Harding	KQ6DI
Ask the Elmer	Lee Zalaznik	KI6OY

Monthly Meeting Minutes



LARK General Meeting | April 20, 2024 | Minutes

Call to Order

1. Meeting called to order by George KG6GEM at 9:31am.
2. George started introductions, first of In-Person attendees and then Zoom attendees.
3. 41 Members / 10 Zoom / 2 Guests = 53 Total attending the meeting.

2024 Elections - George KG6GEM

1. George KG6GEM moved the nominations are closed Bill N6SGT seconded.
2. The following slate of officers were presented by the membership:
President: George Moorhead
Vice President: Chris Quirk
Secretary: Ryan Mahoney
Treasurer: Peter Bedrossian
Board Members: David Counts, Roger Demming, Nate Moore
3. Ron AD6KV moved the nomination slate be the next club officers, David KG6WIR seconded, it was approved unanimously.

Presentation

1. George KG6GEM introduced Ian Parker W6TCP for his presentation "My Pacific Northwest Road Trip".

Treasure's Report - Bernie NJ6W

1. Bernie thanked everyone who donated over the last year and thanked Rich KN6HSR for his work leading the Swap-n- Shop.
2. Finished this year with a higher balance than the previous year.
3. Bernie was thanked for his time as the Club's Treasurer.

Activities - Jerry N5KA

1. May Meeting will be a presentation "How to work the world with a handheld radio using DMR" presented by Chris W6CJQ and Ryan W6RAM.
2. Need suggestions for future months contact Jerry N5KA or Steve K8YIP with ideas.

Events Update - George KG6GEM

1. April 27th Devil Mountain Double - John WB6ETY is coordinating the club's assistance on the Mines Road stretch from Livermore to Mt. Hamilton. 9 volunteers have signed up. They expect less than 50 riders.
2. Cinderella was successful despite being cold and rainy in the morning. George thanked all the volunteers for being there.
3. May 19th Devil Mountain Run in Danville, signup is on the website.
4. August 4th Patterson Pass Road Race.

Newsletter - Greg KN6RUQ

1. On track and looking good for this month

Membership - Julian WB6BDD



1. 152 or so members.
2. Put together a flyer to distribute to new ham radio operators in Livermore and Pleasanton about the Club.

Old Business

1. Minutes from the March meeting approved unanimously.

Repeaters – Nate N8MOR

1. For any repeater issues please make a note of the date and time of occurrence, troubleshoot your gear, check offset and PL tones, if able monitor input frequencies.

Technical Interest Group

1. Nate N8MOR nominated Brian KA6ZED to become the club's Treasure Hunt chairperson. It was approved unanimously.
2. Noah N6TW: Five Morserino have been paid for but not picked up. Two people have not submitted payment yet. No official venue or date to do a group build.

VE Testing – Ron AD6KV

1. There will be testing after today's meeting.

Silent Keys – George KG6GEM

1. Don McDougall W6OA former club president
2. Forrest Brown WN6WTV former club board member

Adjournment

1. George KG6GEM adjourned the meeting at 10:54 AM

Minutes submitted by:

Ryan Mahoney (W6RAM) – LARK Secretary

Board Meeting Minutes



LARK Board Meeting | April 15, 2024 | Minutes

Attendees: George, Chris, Ryan, Nate, Bernie

Absent: David, Roger, Jerry

Call to Order

1. Meeting called to order by Chris at 7:46 PM.

Treasure's Report - Bernie

1. The club's finances are solid.
2. Have received payment for all but 3 of the Morserino kits.
3. Officially received our 2024 business license.
4. Federal and state tax forms will be filed after the April elections so that the officer information will be current.

Repeaters - Nate

1. Strange problems 2 weeks ago with the AD6KV stop repeating or the link going down since then no other problems.
2. No other issues

Activities - Jerry

1. Ian is talking about his trip up north at the April monthly meeting.
2. Tentative have Ryan and Chris on DMR in May
3. Field Trip to visit Pt. Reyes Maritime Historical Radio in May/June
4. Bill and David would like to do a talk on APRS with a Raspberry Pi.

Events - George

1. April 13th Cinderella Bicycle Classic was 250+ riders the date for next year is 4/5/2025.
2. Devil Mountain Double 4/27 contact John Street
3. May 19th Devil Mountain Run in Danville
4. Looking for someone to lead SWAP meet at Pacificon in October 2024

Membership - George

1. 151 members on last check
2. Julian's flyer was approved by the board he will work on finalizing and printing it.
3. He will present the flyer to the membership at the meeting Saturday for approval

2024 LARK Elections - George

1. Peter volunteered to become treasurer to take Bernie's spot
2. Bernie will help him in the transition process
3. As of now there is no one else looking to step up in a position.

Room Access - George

1. Keys will be in a lockbox inside the south entrance door

2. We don't have a meeting room in August – will have a virtual zoom meeting that month.

501c3 Status – Chris

1. Bernie getting ready to transition documents and submit check register.

Adjournment

1. George adjourned the meeting at 8:38 PM.

Minutes submitted by:

Ryan Mahoney (W6RAM)– LARK Secretary

Community Activities



We NEED You!
Sign Up NOW



Devil Mountain Double Century Bike Ride - Saturday, April 27, 2024

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

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.



Berkeley Hills Road Race - Saturday, April 27, 2024

This is not a LARK sponsored event; however, we do provide support if you want to participate. This event provides you with good experience in radio operations.

Event Ham Radio Coordinator is **Mark Walsh** - mark@km6xu.com



Devil Mountain Run Sunday, May 19, 2024

<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.



Patterson Pass Road Race - Sunday, August 4, 2024

<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. There will be a radio check-in at 7:30am. The ham radio volunteer should be able to handle this assignment with a hand held.

Antenna of the Month

Inverted Vee by Gary, NA6O

One of the natural modification to a simple half-wavelength dipole is the inverted vee. As you know, most of the radiated energy comes from the part of an antenna where current is greatest, and that's the center of a dipole. So, your first objective is to get that up as high and clear as you can. But if you only have one tall support, attach the center and the feedline to that, and let the ends of the antenna slope downward. That forms the inverted vee configuration and it's almost as good as the flat dipole (Fig. 1).

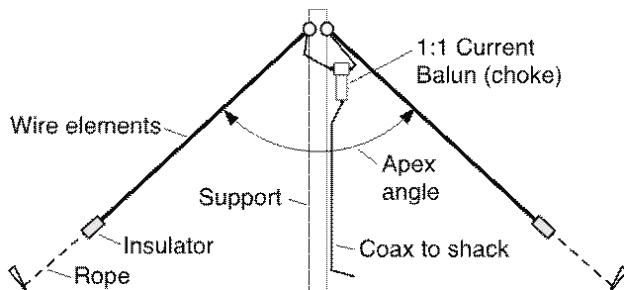


Figure 1. Typical inverted vee construction.

What are the properties of an inverted vee, compared to a flat dipole at the same height?

What you'll add is some vertically-polarized radiation, a more omnidirectional pattern, and sometimes a lower SWR. What you'll lose is a bit of peak gain since the pattern of the dipole has diminished. Exact results will depend upon A) the apex angle and B) height above ground.

I did some simulation in EZNEC to compare a 40 m dipole to an inverted vee.

Everyone should explore this free and very powerful program, available from <https://www.eznec.com/> and discussed in the [ARRL Antenna Handbook](#) among other places.

Both antennas were placed at 30 ft (30 ft apex for the inverted vee), and I tested the apex angle at 100 and 130 degrees.

The SWR chart in Fig. 2 shows the differences, but any of these are completely acceptable to any radio with an antenna tuner.

In general, the smaller the apex angle, the lower the feedpoint impedance but eventually the mismatch could become problematic if you collapse the antenna much below about 90 degrees.

Also, if the ends get very close to the ground the impedance can change rapidly. Keep them up 6 ft or so and it's fine.

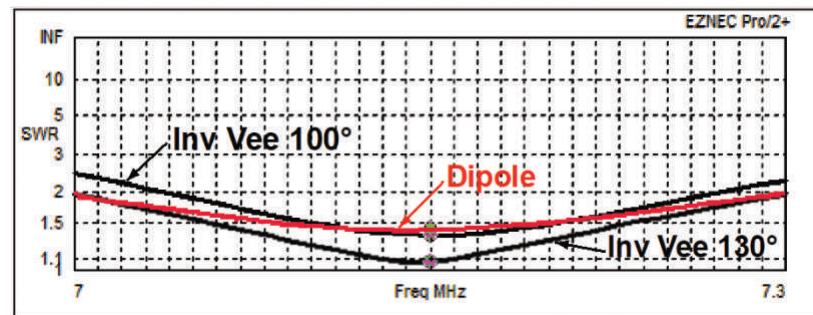


Figure 2. SWR comparison over average ground conditions.

As the inverted vee arms swing downward (smaller apex angle), the pattern in azimuth becomes more omnidirectional (Fig. 3).

Note that this dipole doesn't have a very strong pattern either. That's because it's quite low, at only 1/4 wavelength in altitude. You really need to get a dipole up 1/2 wavelength or higher in order to see substantial nulls off the ends (vertical axis in the plot). And if they were up at 1/2 wavelength, peak gain of both antennas would be 3 dB greater. So, the rule "as high as possible" is a good one.

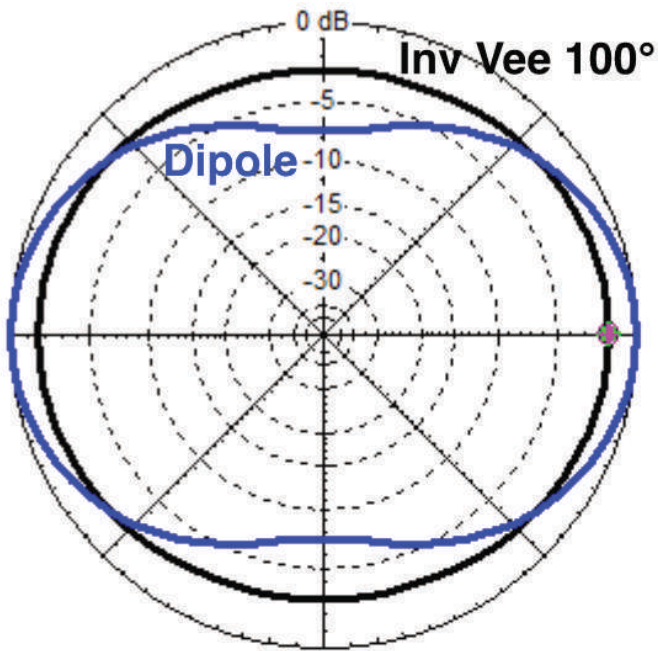


Figure 3. Azimuth pattern comparison. Outer ring is 4.0 dBi.

Comparing the elevation patterns in Fig. 4, there is again little difference, only a couple of dB even with the steeper arms.

Also you can see that the gain is highest straight up, which is typical of any low, horizontally-polarized antenna.

This is ok for local communication, but less desirable for long-range DX where low takeoff angles are needed. Still, you do radiate significant energy at some low angles and the antenna is generally useful.

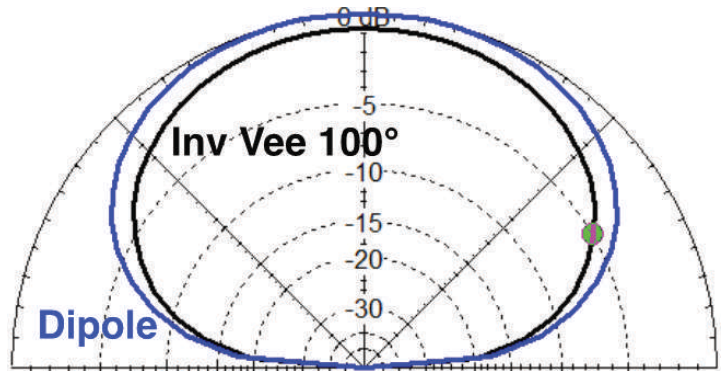


Figure 4. Elevation pattern comparison. Outer ring is 7.3 dBi.

In conclusion, the inverted vee can be more convenient to install than a dipole since only the center is at high altitude, and you pay only small penalty in terms of overall performance.

Note that you can turn it into a multi-band antenna just like a dipole by adding parallel elements (a fan) or traps.

Next Month: Sloper

Cinderella Classic



There were 38 radio operators who volunteered from LARK and MDARC who helped support the Cinderella Classic Bicycle Ride held on Saturday, April 13th, 2024.

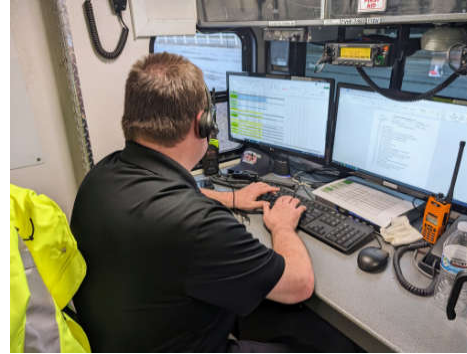
as well as other Hams were on duty from 6:00 am until 4:00 pm. The SRVFPD Comm Unit CS-131 was present supporting the event.

This year there were a total of 250+ riders on the road. The riders were on the following courses: Lit Course, Classic Course, and the Challenge Course.

The Amateur Radio operators were at the Start/Finish, Critical Turns, and covered the Challenge, Classic, and Lite courses and at each of the Rest Stops along the way, additionally we had 19 in support vehicles, Net Control had 4 hams and Stationary Posts had 16 hams supporting this event.

We had 15 APRS (GPS) trackers being utilized in vehicles this year, considerably more than the last year. Since the computers at Cinderella Net Control were connected to the Internet, the phone APRS trackers did have their position on our maps. (This only works where cell phone coverage is available, and data rates do apply). We wish we could have had trackers in many more vehicles as this aids Net Control in dispatching vehicles to incidents and requests for assistance.

The weather was cold and rainy this year. The Start /Finish of the ride was at Las Positas College in Livermore. Net Control was set up in the San Ramon Valley Fire Protection District Communications Vehicle (CS-131) this year with ample space for operations. Net Control



Thank you for your time and being able to use the Comm Unit for this event.

Chris Eckenrode by
Ryan W6RAM

There was a multiple rider crash involving 4 riders. This occurred at 11:30am on the Pleasanton-Sunol Rd about 1.6 miles south of the Castlewood Dr intersection. **Kim N6LVQ** was a SAG driver and arrived after 3 went down while crossing the RR tracks. Fortunately Highway Patrol was right behind them when it happened.

As they were warning other riders of the danger a 4th rider went down. Another Shuttle vehicle with **Steve McGinnis** and **David K6WOO** took one rider and a friend to the Kaiser facility in Dublin for X-rays. The husband of one rider arrived to pick her up. None of the fallen riders requested 911 support. The other fallen riders continued with the ride.

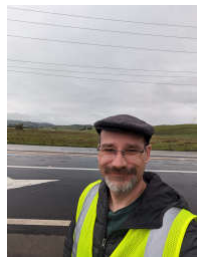
Kim N6LVQ and **Ron AD6KV** helped direct traffic along with Highway Patrol officer, warning of the hazard. With water on the tracks, it was like walking on ice and any steering wheel movement would cause the tire to slip out and down you went.

The rain stopped just after the incident and the

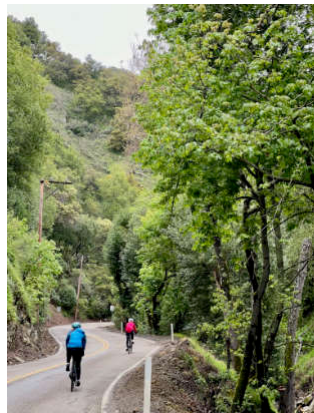


road started to dry out as you can see in the picture (by Kim N6LVQ).

Other than that, it was a normal ride with typical flat support and a few transports of riders who gave up fighting the rain, wind and cold conditions.



← Nate N8MOR by Nate



Challenge Course - Palomares Rd by Ryan W6RAM



W6SRR Hillside by Ryan W6RAM

I want to thank everyone who helped with this event:

John WB6ETY, Chris Q W6CJQ, Mark KM6XU, Dave C KG6WIR, Ryan W6RAM, Daniel KB6FF, Clancy N6FQQ, Kim N6LVQ, Mark KK6UKU, Bill N6SGT, Nate N8MOR, David H K6WOO, Bill H AJ6UU, Brian KF6ONF, Rich KN6HSR, Sean KK6SM, Michael K6MWM, Steve K8YIP, Sri KN6INK, Larry KI6LNB, Alan KM6BRQ, Jon WB6AEA, James N6JRQ, Rand W6TRM, Makesh KI6MR, Ron AD6KV, Allen AK6FB, Noah N6TW, William NJ6O, Makesh KI6MR, Pete AI6NB, Tom NS6T, Tony KF6JS and Jerry N5KA.

I also want to recognize **Workday** and **MDARC** for their volunteers that helped support this event. **COMM Reserves: Ryan Mahoney, Rand Mahoney, Chris Quirk, Steve Nissen, Bill Shaffer, and Chris Eckenrode** worked as Scribes and radio support. It should be noted that 5 of the Comm Reserves also have their ham licenses and not only helped at Net Control, but also were in the field as SAG/ Sweep support.

A big THANKS to everyone for putting up with our last-minute assignment changes.

Looking forward to your help again next year.

George Moorehead KG6GEM

Training

The April 12th ARRL Radio News mentioned an upcoming Ham Bootcamp training.

The Nashua Area Radio Society is offering a Ham Bootcamp - Getting started with Ham Radio.

It is scheduled for **Saturday, May 11th from 7am - 3pm Pacific.**

It includes tutorials and demonstrations to help newly licensed as well as prospective Hams. Anyone can register and join.

Few topics covered include making contacts and joining a repeater net, radio programming, getting started with Amateur Radio Satellites, getting started with Fox Hunting, etc.

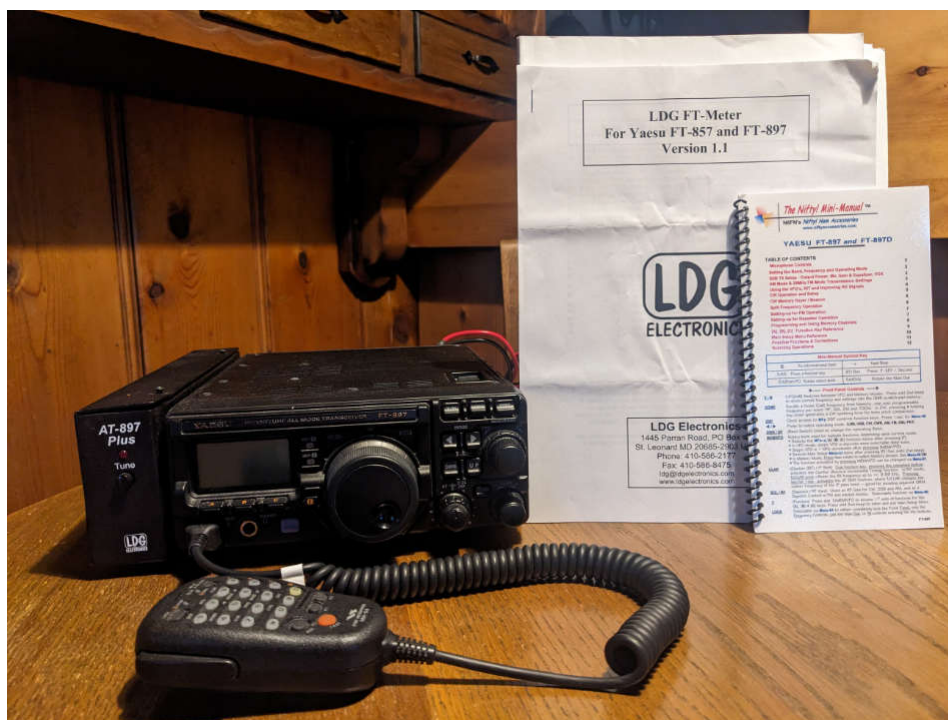
For more information please visit www.n1fd.org/ham-bootcamp or to register visit www.n1fd.org/register-ham-bootcamp

[ARRL Radio News](#) and April 12th replay is available [here](#).

Swap n' Shop Cave

This month LARK Swap 'n Shop is a Yaesu FT-897D all bands transceiver with auto tuner. Excellent condition.

Almost instant delivery (if you pick it up), and \$500 for LARK members.



Contact Rich at kn6hsr@arrl.net for further details.

Don McDougall W6OA (SK)

Dear LARK & CVARS friends:

You may have already heard that Don (W6OA) died on Friday, March 29th of natural causes.

His nursing home sent him to the ER Wednesday night after oxygen and blood pressure numbers became



dangerously low. I met him at the hospital and called my sons, who arrived Thursday night. We were all at his side when he passed Friday. Our son Dan has written this account of his life.

Carol
+++

Donald Merle McDougall, 89, of Winlock, Washington, passed away on March 29, 2024 of natural causes at Providence Centralia Hospital surrounded by loving family.



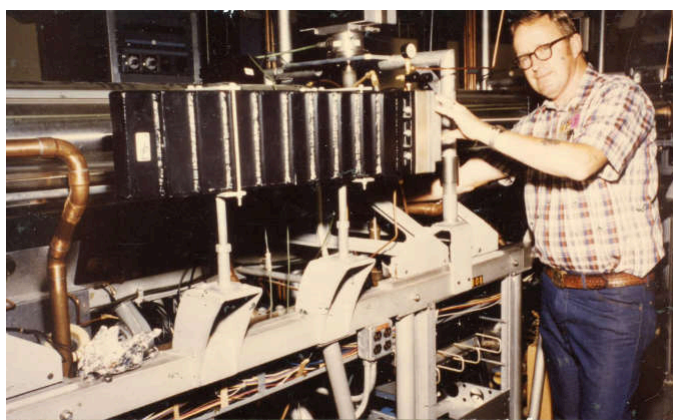
Possessing his signature mischievous smirk from the start, Don was born December 28, 1934 in Newberg, Oregon, the son of Merle and Myrtle (Ingraham) McDougall.

He graduated from Taft High School (Lincoln City, OR) in 1953, went on to study Electronics Engineering Technology at Oregon Technical Institute, spending summer vacations working at Salvage Logging Company setting chokers.

Upon graduation, he began work at Lawrence Livermore National Laboratory (Livermore, CA) as an Electronics Technician.



In October of 1957, he was drafted into the United States Army where he served at Fort Bliss. He was honorably discharged after his two years, and resumed work at LLNL in 1959.



Don married Carol Shulver on September 19, 1970 in Pleasanton, California. The story goes that on one particular date, he asked Carol "Will you marry me?" She replied, "What would you do if I said yes?" They were married 53 years and had two sons: Dan and Tim.

In addition to 41 years working as an electronics technician at LLNL, he was an avid HAM radio operator (W6OA) and was active in the Livermore Area Radio Klub (LARK). They awarded him a lifetime membership for his decades-long service, which included maintaining signal repeaters in the region and participating in countless Field Days and other events throughout the state.

Don could build or fix anything, and was skilled at methodically determining the cause

of any mechanical or electrical failure. He replaced the engine in the family's 1966 VW Beetle, re-roofed their home, and built a color TV and a grandfather clock from kits. Weekly Saturday morning garage sale expeditions with the boys would yield bargain half-broken finds that soon would work as new under his care.



He was a passionate backpacker and instilled his love and respect for the outdoors in his two sons, and even brought Carol to experience nature with camping trips in their tent trailer.

The garden he kept aside the family home would yield tomatoes, corn, pumpkins,

carrots, and even artichokes.

He took beautiful 35mm photos of their trips. Years later, he would digitally scan these, along with thousands of family photos going back to the 19th century. They now serve as an archive and resource for generations.

When he retired from LLNL, he and Carol moved to Winlock, Washington where he served on the board of the Winlock Historical Museum, became involved with the Chehalis Valley Amateur Radio Society, and attended the Winlock-Olequa Senior Center's weekly "coffee klatch".

Retiring and moving to Washington allowed him the time and space to create a much larger garden, with produce often donated to

the senior center. With enough land to warrant a Kubota tractor, and with the help of his brother Vonlee, he built a large shop and garage which he outfitted with tools for almost any project.

Don is survived by his wife, Carol; sons, Dan and Tim; grandson, Benjamin; and brother, Vonlee.

Preceding Don in death were his parents, Merle and Myrtle and sister, Sheree.

Don's ashes will be interred near the final resting place of his parents and grandparents at Pacific View Memorial Gardens in Lincoln City, Oregon. No services are planned.

Carol: don_w6oa@msn.com

Dan: danmcdougall@comcast.net

Tim: tmcdougall1972@gmail.com

May 2024

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

April*

Date	Net Control
4/1/2024	Ron / AD6KV
4/8/2024	EOC
4/15/2024	Ed / AE6D
4/22/2024	John / WB6ETY
4/29/2024	Jon / WB6AEA

May*

Date	Net Control
5/6/2024	Ron / AD6KV
5/13/2024	EOC
5/20/2024	Ed / AE6D
5/27/2024	John / WB6ETY

June*

Date	Net Control
6/3/2024	Jon / WB6AEA
6/10/2024	EOC
6/17/2024	Ron / AD6KV
6/24/2024	Ed / AE6D

*Confirmation Pending

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
4/4/2024	Brian / KA6ZED	Peter / AI6RG
4/11/2024	TBD	Brian / KA6ZED
4/18/2024	Rich / KN6HSR	Nate / N8MOR
4/25/2024	Nate / N8MOR	Rich / KN6HSR
5/2/2024	Bill / AJ6UU	Nate / N8MOR
5/9/2024	David / K6WOO	Bill / AJ6UU
5/16/2024	Nate / N8MOR	Noah / N6TW
5/23/2024	Brian / KA6ZED	Peter / AI6RG
5/30/2024	TBD	Brian / KA6ZED
6/6/2024	Rich / KN6HSR	Nate / N8MOR
6/13/2024	David / K6WOO	Rich / KN6HSR
6/20/2024	Bill / AJ6UU	David / K6WOO
6/27/2024	Noah / N6TW	Bill / AJ6UU

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
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	EVERY DAY	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	dlicounts@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	Richard Combs	KN6HSR	kn6hsr@arrl.net	
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: Tracy Hein CERT contact. Email: thein@lpfire.org or (925) 454-2317
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>	