

## LARK Editors

1958 to 1966	Jim Nielsen, K6EKD
1967 to 1968	Bill Carver, K6OLG
1974 to 1978	Don McDougall, W6OA
1979 to 1979	George Overturf, WB6CFD
1980 to 1981	Bob Condouris, KA6ATV
1982 to 1985	Bill Richards, N6FKK
1986 to 1989	Don Pomplun, K2BIO
1990 to 1992	Ray Abbitt, KK6AM
1993 to 1997	Roy Williams, KD6QKE
1998 to 2001	Roman Rusinek, KE6YCW
2001 to 2002	David Johnson, KD6EUH
2003 to 2004	Roy Williams, AE6IS
2004 to 2008	Chuck Harding, K6CKT
2009 to 2014	Ian Parker, W6TCP
2014 to 2014	David Counts (interim) KG6WIR
2015 to 2017	Jerry Benterou, KK6WB
2017 to 2020	Jeana Holme, KK6KZT
2020 to Present	Roberto Sadkowski, K6KM



Consider adding your name to the:

## ***LARK Editors Hall of Fame***

If nobody steps up to the task, next month will be the last LARK Newsletter. It has happen before.

# LARK NEWS December 2023



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

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

*Available live via zoom by invitation only. Visitors Welcome*

Editor: Roberto Sadkowski K6KM

## Pacificon Frenzy at 6AM Swap Meet



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# Presidential Message

We are into the fall season and Thanksgiving. We are thankful for the efforts of the dedicated members who volunteer in so many ways to serve the community and support the hobby.

We recently saw a great turnout for the Pacificon event and Habitat For Humanity where over \$600,000 was raised. These events could not take place without the support of you the radio volunteers.

Other volunteers keep our club station repeaters operating for long range communications capabilities. Volunteers pour their hours, technical knowledge and experience into maintaining and constantly improving the existing systems that are in daily use.

The range of club activities is wide, and we can always use a helping hand along the way. We urge members to seek out what interests them and pitch

in for the benefit of fellow members and the community. If you have radio related projects that you would like help with know that the members are available.

Remember to not only turn on that radio but push the PTT and communicate with others.

We live in a great area and we have much more in common than some politicians and social media groups would like us to believe. They thrive on division and crises which are less important to our overall success and satisfaction than they think.

Hope to see you at the December gift exchange meeting, feel free to invite friend's to the event.

So keep on communicating and participating! Silence is not golden. Light up those silent frequencies!

# Notes from the Editor

Just read page 1.

Roberto

K6KM



# Board Meeting Minutes



## **LARK Board Meeting | August 14, 2023 | Minutes**

**Attendees:** Chris, Ryan, Jerry, Bernie, Nate, Roger

**Absent:** David, George

### **Call to Order**

1. Meeting called to order by Chris at 7:34 PM.

### **Treasurer's Report - Bernie**

1. The club's finances are solid.
2. Ian placed another order of ham shack hotlines.

### **Repeaters - Nate**

1. WA6ODP: Assume batteries are out of service until a site visit can be made.
2. AD6KV: Ian will work on all-star link between AD6KV and W6SRR.

### **Activities - Jerry**

1. Presentations through the February 2024 monthly meeting are covered.
2. Is there interest in a field trip to the Pt. Reyes radio station?
3. Chris: How analog radio can participate in Allstar, PG&E Presentation, New SRV Fire CS131 equipment. Nate: Foxhunt and DIY Directional Antennas

### **Events - Chris**

1. Race to the Flagpole 1/27, Livermore Half Marathon 3/3, Cinderella Bicycle Classic 4/13
2. Nate holding a get on the air event on Tuesday 11/14.

### **Newsletter - Nate**

1. Take a poll and see if membership is interested
2. Mailchimp is an option

### **Christmas - Nate**

1. No club member or any other person will ask for gift cards over email or phone.
2. Roger motioned and Jerry seconded to allocate \$600 for Holiday Party Gift Exchange

### **Patches - Roger**

1. Patches will require some more research need to find cost effective fully embroidered options
2. Roger has the artwork for the patches

### **General - Roger**

1. Nate asked for a template for business cards. Roger said Ron Kane was last the one to have printed.
2. Roger has the artwork for the patches

### **Adjournment**

1. Chris adjourned the meeting at 8:25 PM.

Minutes submitted by:

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Ryan Mahoney (W6RAM) - LARK Secretary

# Monthly Meeting Minutes



## **LARK General Meeting | November 18, 2023 | Minutes**

### **Call to Order**

1. Meeting called to order by Chris W6CJQ at 9:30am.
2. Chris started introductions, first of In-Person attendees and then Zoom attendees and welcomed the many guests in the audience from Livermore Pleasanton CERT
3. 33 Members / 6 Zoom / 9 Guests = 48 Total attending the meeting.

### **Presentation**

1. Chris introduced Geoffrey Abreu K6ERA for his presentation: Demo of new Alinco Products

### **Treasure's Report - Bernie NJ6W**

1. The club financials are in good order.
2. Start submitting your dues for 2024.
3. Ian W6TCP has brought in additional Ham Shack Hotline Phones for \$26
4. Badges will be available for pickup.

### **Activities - Jerry N5KA**

1. December: Holiday White Elephant Gift exchange
2. Less than 10 people have taken the PG&E course so Jerry will try to schedule.
3. Looking for speakers for 2024, any ideas please contact Jerry.
4. February: Talk on Marconi Experiments

### **Events - David KG6WIR**

1. ARRL Class 329 Tools to leverage communications presented by Hawaii Instructors at OES in Dublin, no cost to attendees and materials will be provided. Class is now full.
2. January 24<sup>th</sup> Large Scale Power Outage 9am-12pm zoom class
3. February 22<sup>nd</sup> Flash Flood 9am-12pm zoom class

### **Newsletter - Roberto K6KM**

1. Looking for a Newsletter editor, comes with software and free training starting January.

### **Repeaters - Nate N8MOR**

1. WA6ODP batteries are not in great shape and will be worked on.

### **Old Business**

1. Minutes from the September meeting approved unanimously.

### **VE Testing - Ron A6KV**

1. Testing will begin again in January

### **Pacificon Update - Roger KK6RD**

1. Thank you to those who staffed the LARK table and SWAP meet
2. Thank you to Rich KN6HSR for selling equipment for the club \$840



### **Operating**

1. Roberto K6KM says there are three dexpedition currently going on
2. Roger went up to Mt. Diablo and did a POTA activation (Parks on the Air).
3. Nate N8MOR hosted a get on the air event for a local Cub Scout Pack
4. 10 15 20meter beam antenna for \$25 on a 10 foot mast available. contact Clancy N6FQQ

### **Ask an Elmer – Lee KI6OY**

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

1. Lee brought up requirements for FCC Station Identification at the end of a conversation or every 10 minutes.

### **Adjournment**

1. Chris W6CJQ adjourned the meeting at 11:24 AM

Minutes submitted by:

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Ryan Mahoney (W6RAM) – LARK Secretary

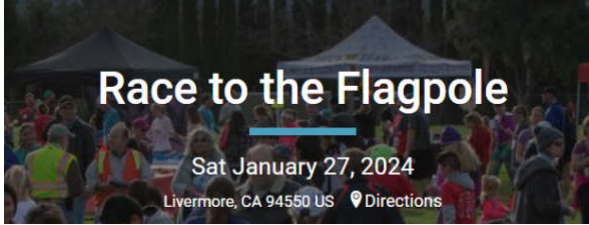


# LARK Monthly Meeting

Geoff Abreu K6ERA, Alinco Representative, talking about the Alinco amateur radio products.



# LARK Community Activities



**RACE TO THE FLAGPOLE - Saturday, January 27, 2024**

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

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**Livermore 1/2 Marathon - Sunday, March 3, 2024**

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

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**Cinderella Bike Ride - Saturday, April 13 2024**

**<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. More details in January.**

# LARK Brings Ham Radio to the Next Generation

## Cub Scout Pack 948 On The Air Event Nate: N8MOR



Pack 948 reached out to LARK to learn more about radio as well as getting the cubs on the air.

We provided several key areas of teaching with the kids covering

- CW/Morse code, complete with a station that they could hear CW on
- Basic introduction to ham radio as well as an overview of the phonetic alphabet and why we use it
- Multiple get-on-the-air stations

□ **Dual fox hunts**



**Without you all, this would not have been possible. You all were amazing. Thank you.**



## Shakeout - Rich KN6HSR

**THIS IS A DRILL... Drop! Cover! Hold On!** This was the mantra for the Great Shakeout Exercise on 10/19, at 10:19 AM. This is an annual international event to promote awareness of how to prepare for and react to an earthquake. For the past two years TCARES, Tuolumne County Amateur



Radio and Electronics Society, has used this event as an opportunity to test our ability to provide backup communication for the county public safety agencies. Considering that over the past year there have been two instances where primary communication systems have been brought down, one due to a fire, and the other due to a damaged T1 fiber optic cable, this was a very timely opportunity. It is a great chance to partner with the first responder agencies, build trust, and develop awareness of mutual capabilities and needs.

With an amateur radio operator stationed at the Tuolumne County

Emergency Operations Center, operated by the Office of Emergency Services, after a preparatory simulated 5.0 San Francisco earthquake preamble at 10:19 AM, Ned Sudduth, K6NED began taking check-ins from amateurs throughout the county with his wife Toni K6TNI logging the reports. County GIS Geographic Information System staff have loaded local Ham Call signs with locations and have the ability to show the locations on a map, on a wall TV in real time. Tuolumne County is fortunate to have a backbone of four, linked, 2 meter repeaters, which cover almost the entire county. There were 38 amateur radio check-ins providing reports on conditions throughout the county. In addition we have four Neighborhood Radio Watch communities, using FRS/GMRS radios, and a few GMRS repeaters, which added an additional 28 reports. Each NRW community has an embedded HAM, who monitors the NRW traffic, and then provides a summary to the IC during their check-in.

Considering it was a Thursday morning, we feel this was a great response, with an increase from last year's check-ins. Although Tuolumne is a large county by area, it has a population of just over 55,000, and is primarily rural and mountainous in character. Nonetheless the combination of Neighborhood Radio Watch communities, with embedded

HAM radio operators, and a robust repeater system has shown that even when the power and internet are down, first responder operations can continue to operate, and communities can immediately communicate and mobilize to help themselves when 911 and cell phones cease to operate.

During the Net, Net Control started by asking for regional check-ins based on repeater location, starting with the most remote corners of the county. Roll Call from a list was not conducted, but check-ins in small batches of 3 or 4 allowed for concise reporting with YES or NO comments on availability of Grid Power and Telephone services. Most stations checking in had clear audio and professional delivery of their local status. Some stations learned they needed to make improvements.

Stations at 'sites of interest' like schools or government buildings were asked to state their affiliation with organizations like CERT, SAR, CSU, etc. Mobile units also checked and made reports. Nearby counties also checked

in and reported local situation reports.

Planning for next year is already underway with plans to assign operators to specific locations like the fairgrounds, the hospital, the Red Cross, fire stations, etc. APRS can also provide value next year, with a real time location and status updates from mobile operators. Thanks to TCARES, Tuolumne County Sheriff, OES and GIS staff, and the radio operators that have made this an outstanding exercise the last two years.



## An Excellent Soldering Iron for the Field - Gary NA60

Someone asked recently on TowerTalk for suggestions regarding a cordless soldering iron that was adequate for heavy wires, such as #10 AWG. I have such an iron: The Weller WLBU75, a compact butane-powered pencil-style iron. They rate it at "75 Watts" but in my experience it's more powerful than that.

There is much to like about this tool. It's solidly built, compact, and fits nicely in your hand as well as your tool bag. It lights with a flick of a switch and heats to soldering temperature in less than 15 seconds. There's a tiny hole you can look into and see the orange glow of the flame. Wind will not blow it out, ever. It has a temperature adjustment valve but I've always left mine wide open for single, quick jobs. After turning it off, carefully slip the ventilated protective cover back on and you can safely place it back in your tool bag. There's a window where you can inspect the butane level and it refills just like an ordinary lighter. I don't know how long it will run on a full tank but it has to be an hour or more. Also I think the tip will last a very long time (they charge way too much for replacements).

After a demo for W6SX at the NCCC picnic soldering a pair of #10 wires twisted together, he purchased one as did W6TCP. Weller used to sell the iron alone but now it seems only to come in a kit which costs more. The kit is part number WLBUK75 and at the moment costs about \$76 at various online stores including Amazon and Zoro. The kit also contains open-ended tips so it works like a mini-torch.



# Training Opportunity

The Alameda Office of Emergency Services (OES) and the Alameda County Sheriff's Department are sponsoring the following two FEMA Zoom tabletop exercise courses:

January 24: Large-Scale Power Outage

February 22: Flash Flooding

The courses will be held from 9-1pm EST on Zoom. If you wish to register, please contact Judi Clark at: [kk6zcu@gmail.com](mailto:kk6zcu@gmail.com)

Here's the flyer on FEMA's tabletop exercises:

<https://training.fema.gov/emigrams/2023/1817-training%20opportunity-virtual%20tabletop%20exercise%20program%20fiscal%20year%202024.pdf>

**EMERGENCY MANAGEMENT INSTITUTE**

NATIONAL EMERGENCY TRAINING CENTER • EMMITSBURG, MD 21727



**FEMA**





# AU2JCB Special Event Call-Sign



AU2JCB is a special event call-sign to commemorate the birth date (30 NOV) & to pay homage & to tell about the great INDIAN scientist Acharya JAGADISH CHANDRA BOSE who is recognized as the "Father of Wireless Communication" by the scientific community of our world & IEEE.

I have been operating with this call sign for the last 18 years since 2005.

VU2DSI- Datta Deogaonkar will operate with this AU2JCB special event call sign.

I will operate with AU2JCB call sign from 23 Nov 2023 to 11 Dec 2023.

The Details of operation ----

Period----23 NOV 2023 to 11 DEC 2023

Frequencies-----

10 M-- 28545, 28510, 28490 18400 kHz. 21 M—21235, 21310, 21350 21360 kHz.

20M—14210, 14250, 14310. 40 M---7040, 7150. 80 M --- 3710.

IN FM MODE----- 6M -50800, 51500. 10 M---29700.

Preferably the operation will be on higher bands according to propagation conditions.

QSL--- Direct to VU2DSI, "SURABHI" MEHERABAD. AHMEDNAGAR. 414006. INDIA.

This year in 2023--

VU2EVU & VU2XPN will operate with AU3JCB & AU5JCB call-signs respectively.

FOR DX STATIONS PLEASE SEND 2 IRC's-----IF POSSIBLE--- as many many DX stations are requesting QSL's.

I will appreciate the GOOD number of used postal stamps instead of IRC as I love collecting stamps.

**Acharya J.C.BOSE:**

Acharya J.C.Bose is well known as the "Father of Wireless Communication".

Acharya Bose's demonstration in 1895 & 1897 predates all.

Bose transmitted wireless signals to a distance of a mile. Popova in Russia was still trying remote signaling at this time & the first wireless experiment by Marconi was not successful until May 1897.

Bose is a pioneer in microwave optics technology.

Bose's invention of 1-centimeter to 5 millimeter radio waves is being used in radars, satellite communication & remote sensing.

Bose's concepts from his original 1897 papers are now incorporated into a new 1.3 mm multi-beam receiver on the NRAO (National Radio Observatory) 12 Meter Telescope.

Bose anticipated the use of P-type & N-type semiconductors & hence 60 years ahead of his time. Bose developed the use of GALENA crystals for making receivers.

In Bose's presentation to the Royal Institution in London in January 1897, he speculated on the existence of electromagnetic radiation from the sun. This radiation from the sun was not detected until 1942.

Contact for more info VU2DSI at [vu2dsi@gmail.com](mailto:vu2dsi@gmail.com)

# December 2023

<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>	<u>Sunday</u>
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16 <i><u>LARK Meeting</u></i>	17
18	19	20 <i>Ham Breakfast</i>	21	22	23	24
25	26	27	28	29	30	31

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

**Every Monday 7 PM local time.**

**Visitors welcome to join in.**

# Net Control Operator Schedules

## Monday Night Net Control Operator Schedule

### October

DAY	OP	NAME
2	AE6D	Ed
9	EOC	
16	WB6ETY	John
23	WB6AEA	Jon
30	N6FQQ	Clancy

### November

DAY	OP	NAME
6	AD6KV	Ron
13	EOC	
20	AE6D	Ed
27	WB6ETY	John

### December

DAY	OP	NAME
4	WB6AEA	Jon
11	EOC	
18	AD6KV	Ron
25	AE6D	Ed

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

## Thursday Night Net Control Operator Schedule

Date	Weekday	Primary Net Control	Backup Net Control	Topic
10/5/2023	Thursday	Noah/N6TW	Bill/AJ6UU	Easy Tech Discussion:
10/12/2023	Thursday		Noah/N6TW	General Discussion:
10/19/2023	Thursday	Brian/KA6ZED	Peter/AI6RG	Advanced Tech Discussion
10/26/2023	Thursday	Nate/N8MOR	Brian/KA6ZED	New Comer, General Discussion:
11/2/2023	Thursday	Rich/KN6HSR	Nate/N8MOR	Study Night: General Exam
11/9/2023	Thursday	David/K6WOO	Rich/KN6HSR	Easy Tech Discussion:
11/16/2023	Thursday	Bill/AJ6UU	David/K6WOO	General Discussion:
11/23/2023	Thursday	CANCEL	CANCEL	THANKSGIVING: CANCEL
11/30/2023	Thursday		Noah/N6TW	New Comer, General Discussion:
12/7/2023	Thursday	Brian/KA6ZED	Peter/AI6RG	Study Night: General Exam
12/14/2023	Thursday	Nate/N8MOR	Brian/KA6ZED	Easy Tech Discussion:
12/21/2023	Thursday	Rich/KN6HSR	Nate/N8MOR	General Discussion:
12/28/2023	Thursday	David/K6WOO	Rich/KN6HSR	Advanced Tech Discussion

## Regularly Scheduled Nets

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

# LARK CONTACTS 2023

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

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

OFFICE	CONTACT	CALL	E-mail	Phone
President & Events	George Moorehead	KG6GEM	KG6WIU1@COMCAST.NET	(925) 516-2676
Vice President	Chris Quirk	W6CJQ	w6cjq@yahoo.com	925-202-1198
Secretary	Ryan Mahoney	W6RAM	Ryan.andrew.mahoney@gmail.com	925-786-0640
Treasurer	Bernie Bernstein	NJ6W	nj6w@xemaps.com	(925) 858-4608
Board (PP)	Roger Deming	KK6RD	rogerdeming@yahoo.com	(925) 484-1285
Board	David Counts	KG6WIR	dlcounts@sbcglobal.net	925-895-4698
Board	Nate Moore	N8MOR	nate@nateandamy.org	(925) 577-4916
Activities	Jerry Benterou	N5KA	benterou@gmail.com	925-321-3263
Repeater Chair	Ian Parker	W6TCP	w6tcpian@gmail.com	
Web Site	Arnold Harding	KQ6DI		
Newsletter Editor	Roberto Sadkowski	K6KM	rsadkowski@gmail.com	
Membership	Venkatesh Varadha (Var)	KM6TAB	svvenkatesh2786@outlook.com	(925) 961-7703
Net Coordinator	Ed Diemer	AE6D	ae6d@arrl.net	
RFI	Gary Johnson	NA6O	gwj@me.com	
T-Hunts	Rich Harrington	KN6FW		
Swap n Shop	Richard Combs	KN6HSR	KN6HSR@arrl.net	
Ask the Elmer	Lee Zalaznik	KI6OY	Lee.zalaznik@sbcglobal.net	(925)-699-5998



Facebook—<http://www.facebook.com/LivermoreARK>

Twitter link : <https://twitter.com/LivermoreARK>



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

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

# LARK Membership Form



**LARK LIVERMORE AMATEUR RADIO KLUB.**

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

**An ARRL Affiliated Club**

LARK MEMBERSHIP FORM - Print, fill out, mail in with check.	
Circle all that apply: New / Renewing / Family    Today's Date: _____	
NAME: _____	
CALL SIGN: _____	
ARRL MEMBER? Yes / No	
Address: _____	
PHONE: (     )     -	
UNLISTED? ___ YES ___ NO	
Enter your E-mail here and stay connected: _____ LARK NEWS featuring upcoming club events and articles is available monthly via email. <a href="http://www.livermoreark.org/">http://www.livermoreark.org/</a> 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><b>Membership is \$20.00. per calendar year starting on Jan 1 through Dec. 31.</b> 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: <a href="mailto:membership@livermoreark.org">membership@livermoreark.org</a> 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: <a href="http://livermoreark.org/membership/membership.html">http://livermoreark.org/membership/membership.html</a>.</p> <p><b>Thank you and welcome aboard from LARK and the Membership Team.</b></p>	