About the LVRA

The Las Vegas Repeater Association (LVRA) is an association of amateur radio enthusiasts dedicated to advancing the art, technology, and operation of radio communications systems. The LVRA owns and operates VHF and UHF amateur radio repeaters throughout Southern Nevada. LVRA is registered as a non-profit corporation in the State of Nevada. LVRA members take pride in supporting public service service through a system of open repeaters, as well as a closed UHF repeater system which is available for emergency communications.

2019 LVRA Officers

Vice President Nat Talpis W70QF
Treasurer Elliott Bloch W7EB
Secretary Mark Sappington N5TYH

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Arden Peak LVRA Repeater Move

On Saturday, February 23rd, a work party of dedicated LVRA members and friends set out to begin the process of moving the 4 repeaters, antennas, batteries and related equipment from Arden Peak in the hills above the Anthem community, to the new site on Red Mountain, overlooking Boulder City. The work was organized in part by Mel K6UV, who supported the team’s efforts on ‘moving day’ from Southern California.

The work crew consisted of Ralph N7TND and Lee N7LD, Craig NoCSM, Dennie KE7WOD, Denny KC7RVK’s grandson Travis, and Dave Sommer AK7I (formerly KC7WJW). The equipment was removed from the Arden Peak site, with plans for a subsequent Saturday trip up to the Red Mountain location. Prior to the move, a great deal of effort was spent attempting to obtain approval from the City of Boulder City for the relocation of the equipment to Red Mountain.

(continued page 6)

March LVRA Meeting

The March meeting of the Las Vegas Repeater Association will take place Saturday, March 16th, at Winchell’s Pub and Grill, 199 East Warm Springs, Las Vegas. The topic of our meeting is a continuing discussion of activities and the general operation of the club in 2019.
System Status

LVRA Linked Analog Repeaters

Angel Peak
• 449.500

High Potosi
• 449.175
• 146.880

Highland Peak
• 145.220

Low Potosi
• 449.400

Mesquite
• 448.020

Red Mountain
• 449.100

D-Star System - W7AES

Arden Peak²
• 147.975
• 449.575
• 1282.39
• 1299.39 (high speed data)

DMR System - NX7R

Black Mountain
• 448.625

Red Mountain
• 449.625

VoTech Mesa
• 445.625

Mission Hills¹
• 447.625

¹NX7R Mission Hills Repeater at 447.6250 CC-15, timeslots one & two. Analog DPL=754
²Four LVRA repeaters are non-operational, pending completion of move to Red Mountain site

For more information on LVRA and affiliated system repeaters, please visit: www.wa7hxo.us

System Reports

NX7R DMR System

The BrandMeister Hytera Weekly DMR Thursday Net has been discontinued. The net has enjoyed the support of Las Vegas area Hams over the years, but the time has come to conclude the net. who have supported this net during the past years. Along with the Las Vegas community of DMR users, Terry extends his sincere thank you to Kevin W7ZJH and Mark N5TYH for consistent support of this net and commitment over the years to make it a weekly event.

WA7AES D-Star System

Please see the article on page 1 & page 11 regarding the recent move of 4 LVRA D-Star repeaters and associated equipment from Arden peak to Red Mountain.

LVRA System

Highland Peak is off line due to a commercial power issue. Because of snow, it will likely be a month before we can get up there to address the power issue. Mesquite is now back on line and the repeater is working.
LVRA Website

Greetings, All. Our web site is still working ... we’ve added some links for several tabs and updated some information. We get inputs from a number of sources and most of them must be edited or converted into a different format for posting.

Please visit the web site and let me know of any corrections. And, especially if you have suggestions and updates ... please let me know.

The biggest update this last week was in the “Affiliations” section. Our friends in Virgin Valley (Virgin Valley Amateur Radio Club) are re-energized; check out the links.

Gene “the web dude” KK4IB kk4ib@arrl.net

Upcoming Events

Clark County ARES / RACES Training
March 9th, 2019, 9:00 AM, Clark County Government Center, 500 South Grand Central Parkway, Pueblo Room, Las Vegas. Information at 'ccnvares.org'

Annual Clark County ARES/RACES Communications Rodeo
March 9, 2019. All Hams are invited. Observe existing radio configurations or bring along your portable station. Bring your go-kit and set it up to operate. At the residence of Frank & Linda Kostelac, N7ZEV & KC7IIT, 4233 West Warm Springs Road.

Clark County ICS Training
March 1st - IC-100 & IC-200 training scheduled. March 22nd - IC-700 & P.A.R.T training scheduled (see page 7 for details).

Scottsdale Spring Hamfest
March 16th, 2019, 6:00 AM - 12:00 noon, Coronado High School, 7501 East Virginia Avenue, Scottsdale, AZ (north parking lot). Information at 'arca-az.org'

Tucson Spring Hamfest
March 30th, 2019, 6:00 AM - 11:00 AM, The Target Store, 9615 East Old Spanish Trail, Tucson, AZ. Information at 'arca-az.org'

Help Wanted

- LVRA Wednesday Night Net - Primary and backup net control operators are needed for LVRA Wednesday Night Net at 7:00 pm on the LVRA repeater network. Contact Kevin Nagy (W7ZJH) for more information at 'ksnwireless@protonmail.com'.

- Clark County ARES RACES Monday Night Net - Clark County ARES RACES members are encouraged to consider serving as Net Control Operator (NCO) during the weekly Clark County ARES RACES Monday Night Net. The net provides a great opportunity to practice your communications and net control skills in a relaxed and supportive environment. Print out the script and 'check in roster,' and follow the sequence for NCOs.

- LVRA Webmaster - The LVRA Webmaster is looking for a replacement. We need a member who can edit the web site (need a minimal knowledge of html), and can spend about 20 minutes a month doing it. If you have the skill and interest, please contact Gene at kk4ib@arrl.net.
**Weekly Nets**

**Monday**
- 7:30 pm - Clark County ARES net on Las Vegas RACES linked repeaters and EchoLink ‘CCNVARES’
- 8:00 pm - Southern California Papa System DMR roundtable on talk group 3106
- 8:00 pm - Virgin Valley Amateur Radio Club net on the LVRA linked repeater system

**Tuesday**
- 8:00 pm - Sierra Nevada (SNARS) DMR net on talk group 31328

**Wednesday**
- 7:00 pm - LVRA Wednesday Night Net on the LVRA linked repeater system, EchoLink ‘WA7HXO-L’, Allstar, and D-Star Port B (UHF). Members are encouraged to check in on both LVRA analog and DMR systems.

**Thursday**
- 7:00 pm - Nevada section ARES net on Las Vegas RACES linked repeaters and EchoLink ‘NV-Gate’
- The BrandMeister Hytera Weekly DMR Net has been discontinued.

**Saturday**
- 7:00 am - Nevada section ARES HF net on 3.965 MHz
- 9:00 am - Brandmeister worldwide DMR net on talk group 91

**Sunday**
- 8:00 am - Southwest Division ARES net on 3.965 MHz and EchoLink ‘WA6TWFR’
- 5:00 pm - TAC-310 DMR net on talk group 310
- 6:15 pm - Nevada Section HF ARES traffic net on 3.945 MHz
- 7:00 pm local - Southern Utah 2m SSB Roundtable on 144.250 MHz USB

**LVRA Affiliations**

**High Desert Repeater Network**
(Victorville, California) - the HDRN links to the LVRA at Low Potosi, and its 6 linked UHF repeaters provide coverage from Los Angeles to Las Vegas.

**Virgin Valley Amateur Radio Club**
(Mesquite, Nevada) - the VVARC links to the LVRA using the Mesquite UHF repeater.

**Eastern Nevada Amateur Radio Society**
(Ely, Nevada) - the ENARS links to the LVRA at Highland peak, and its 3 linked VHF repeaters provide coverage for the greater Ely, NV region.

Members of any affiliated club may use the closed repeaters of all organizations.

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**LVRA Weekly Net**

Our net starts at 7:00PM local time every Wednesday evening and includes links to:
- the LVRA UHF repeater network
- the 145.11 repeater on Red Mountain
- the 145.220 repeater on Highland Peak
- High Desert Radio Network repeaters
- Eastern Nevada Amateur Radio Society repeaters in Ely, Nevada
- Echolink and Allstar
- W7AES D-Star repeaters on Red Mountain

**NOTES:**
- DMR check-ins are taken on the HXO talk group (31325) 10 minutes before the regular net begins.
- If the D-Star bridge is not operating, D-Star check-ins will be taken separately, 10 minutes before the regular net begins.
Terry N7XR reports the **BrandMeister Hytera Weekly Thursday Night DMR Net** has been discontinued. The net has enjoyed the support of Las Vegas area Hams over the years, but the time has come to conclude the net. who have supported this net during the past years. Along with the Las Vegas community of DMR users, Terry extends his sincere thank you to Kevin Nagy W7ZJH and Mark Sappington N5TYH for consistent support of this net and commitment to make it a weekly event.

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**Amateur Radio Licensing & Testing**

**Extra Class Amateur Radio Class (8-week)**

Location is North Las Vegas Salvation Army. Class starts April 8th, 2019, 6:00 PM - 9:00 PM, testing at final class night. This is an 8 week course leading to Amateur Extra Class license. For more information go to ‘lvhamtest.us,’ or contact Dennis Simon (702) 643-1670 (leave message).

**VE Testing at Red Rock Search & Rescue**

Las Vegas area Amateur Radio VE testing is held on first Saturdays of each month, at Red Rock Search & Rescue, 340 Villa Monterey Dr., Las Vegas 89145. Applicants bring driver license + valid photo ID + $15.00. Applicants upgrading bring your “official copy” of FCC license. Applicants arrive at 1:30 PM for 2:00 PM testing. Information at ‘lvhamtest.us’

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**Las Vegas Monthly Ham Radio Swap Meet**

Southern Nevada Amateur Radio operators hold an informal, non-sponsored ‘swap meet’ the first Saturday of every month. There is no charge for set-up or sales. Event starts at sunrise and typically runs 2-3 hours, depending on interest. Location is Peterson Center, 6455 Dean Martin Drive (Location is corner Dean Martin Drive & Sunset Road, adjacent to I-15). Set-up is on the south end of the property.

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**LVRA For Sale - Ham QTH**

Nevada Ham QTH for sale. Palm Gardens near Laughlin turnoff on Hwy 93/95. Nice, furnished 3/2 home with separate custom built Ham Shack. Includes 72’ crank up tower and beams. RV parking with 240 volt hookup next to garage. For more information go to ‘RadioRanchNV.com’ or contact Jeff KR7JD at (702) 803-4862.
Arden Peak Repeater Move

(continued from page 1)
This work was conducted by past LVRA President Gary Hartman KK7LV and Billy W7HMV.

The Red Mountain site promises to provide good coverage of the Las Vegas Valley, without the potential financial liability to the club associated with the Arden Peak site. The subject of the equipment move was the focus of multiple discussions during LVRA meetings. On the day of the move, weather conditions were mostly clear, but remnants of the Las Vegas area snowfall from earlier in the week were visible around the Arden Peak area.

The Arden Peak equipment includes VHF and UHF D-Star repeaters on 2 meters, 440, and two repeaters on 1200 MHz, in addition to an Icom controller, internet gateway computer, feed lines, equipment rack, antennas and batteries. During club discussions, it was estimated that four 4 wheel drive trucks would be necessary to effect the move. The installation on Red Mountain is planned for near future. (ed. - thank you to Mel K6UV and Ralph N7TND for their help in writing this report).

LVRA equipment loaded and prepared for the move off of Arden Peak. Photos: Ralph N7TND
LVRA News Deadline Reminder

A reminder regarding the deadline for contributions for the ‘LVRA News.’ Contributions are due by the first Friday of the month. Work takes place on the newsletter the following Saturday and is then sent to the LVRA board for review and distribution by the weekend before the monthly meeting. The timely submission of articles and photos is greatly appreciated.

Our members are reminded that contributions, photographs of club activities and suggestions are encouraged and welcome. Today, almost everyone carries a camera with their ‘smartphones.’ Documenting club activities enhances the enjoyment of reading our newsletter, and provides a record of our club’s activities.

‘Las Vegas Repeater Association News’ features Ham equipment to list for sale or trade.
ARES RACES Meetings for 2019:
- Training meetings planned for March 9th, May 11th, June 8th, August 10th, September 14th, November 9th, and December 14th.
- Quarterly membership meetings are planned for April 13th, July 13th, and October 13th.
- Unless otherwise notified, all Clark County ARES RACES meetings are at 9:00 AM, at the Clark County Government Center, 500 South Grand Central Parkway, Las Vegas, Training Room 3. Park on the Northeast side of the building. An alternate meeting location is 820 South Valley View, Suite 110 (just North of Charleston Blvd.)

SKYWARN Meetings for 2019:
- Saturday, April 13th, Annual Business Meeting, immediately following the ARES/RACES quarterly meeting.
- Saturday, May 11th, SKYWARN Spotter Training presented by the National Weather Service, from 9:00 AM to Noon, featuring the topic/presentation for the scheduled training date.

ARES RACES Update - New Training Requirements:
The ARRL has recently adopted an ARES Strategic Plan [http://www.arrl.org/ares-plan](http://www.arrl.org/ares-plan), which outlines ARES Qualifications for Membership (see page 5 of the plan). This plan is a result of the need to align ARES with the needs and direction of our served partner agencies, and is a response to changes requested by those agencies. Levels of training will allow ARES participants to enter the program and migrate to higher levels of service. Each course better enables members to perform an emergency communications role and helps understanding of how ARES RACES fits into the overall Incident Command System. Training is available on-line, and must be completed within 1 year for Level 2 participants who wish to have a more active role in the ARES program. Requests for extensions must be approved.

Completion of the following courses are now required of all ARES members:
1) [EC-001](#) - ARRL Introduction to Emergency Communications (a no-cost program)
2) [IS-100](#) - Incident Command System IS-100; An Introduction to the Incident Command System
3) [IS-200](#) - ICS for Single Resources and Initial Action Incidents
4) [IS-700](#) - An Introduction to the National Incident Management System (NIMS)
5) [IS-800](#) - National Response Framework, An Introduction

These courses will give you the basics regarding ICS principles. Clark County Office of Emergency Management will offer classroom training on ICS 100, 200, 700, and ‘Personal Assessment and Resiliency Training.’ Course schedule and registration information is also included on page 6 of this issue of the ‘LVRA News.’
Clark County Office of Emergency Management will offer classroom training on ICS 100, 200, 700, and ‘Personal Assessment and Resiliency Training’.

Course schedule, contact and registration information is featured below.

Incident Command System Training
ICS 100, ICS 200, ICS 700, P.A.R.T.
2019 Bi-annual Course Schedule

The Clark County Office of Emergency Management & Homeland Security in partnership with Southern Nevada Public Safety Agencies is pleased to announce the coordination and delivery of ICS 100, 200, 700 and Personal Assessment and Resiliency Training (P.A.R.T.) courses.

Target Audience:

Individuals who may be called upon to support the Multi Agency Coordination Center (MACC), City Emergency Operation Centers (EOC) and Family Assistance Centers (FAC) during times of emergency activation.

Prerequisites:

None

FEMA Student ID REQUIRED at registration

To obtain a FEMA Student ID, please visit: https://cdp.dhs.gov/femasid/register

For questions or to register for any of the above courses, please email the desired class dates to Misty Richardson at richardsonm@clarkcounty_nv.gov

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<th>Class</th>
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Class Hours:

Jan – June 2019 Locations:
Multi Agency Coordination Center (MACC)
Clark County Fire Station 18
575 E. Flamingo Rd, Las Vegas, NV 89119

MACC / EOC 101
July 2, 2019 EOC – 240 S Water St, Henderson, NV 85015
August 8, 2019 EOC – 7551 Sauer Dr, Las Vegas, NV 89128

ICS 100 – 3 Hours: 0830-1130
ICS 200 – 3 Hours: 1300-1600
ICS 700 – 3 Hours: 0830-1130
P.A.R.T. – 2.5 Hours: 1300-1530
MACC / EOC 101 4 Hours 0800-1200
Support Las Vegas Repeater Association
When You Shop

In March 2018, LVRA became a registered 501c(3) charity on Amazon Smile. Amazon donates 0.5 percent of all eligible purchases to LVRA when members use Amazon Smile to make purchases. LVRA has received $62 through member purchases as of February, 2019. LVRA members are reminded to Amazon Smile for their on-line shopping in 2019. And remember, ‘spouse purchases’ are included! so... ‘Let’s get busy!’

Thank you to everyone who supports the LVRA with their purchases.

To use Amazon Smile, you must use your web browser (not the Amazon app) and go to smile.amazon.com. Search for ‘Las Vegas Repeater Association’, select ‘LVRA’ as your charity, and start shopping. LVRA will then receive quarterly deposits direct from Amazon.

The General Membership meeting of the Las Vegas Repeater Association (LVRA) was held on Saturday, February 16, at Winchell’s Pub and Grill on Warm Springs in Las Vegas.

Club business included a motion to accept the plan to move the D-Star repeater from Arden Peak to Red Mountain without objection. The needed volunteers were identified and a work party travelled to the site to complete the first stage of the move on Saturday, February 23rd.

Invite a Ham friend to join the Las Vegas Repeater Association!

A Warm Welcome to our newest members:
Bob Nelson WA3PAD, Kathy Nelson WA3PAC, and Julie Nelson KE7ELZ
Correction: Our apologies to Kathy Nelson WA3PAC who’s Amateur Radio callsign was misidentified in the February issue to the LVRA News. Welcome to our newest members Bob Nelson WA3PAD, Kathy Nelson WA3PAC, and Julie Nelson KE7ELZ.

Red Mountain Site Preparation & Installation Finished!

Update... earlier, preparations for the equipment move to the Red Mountain site were been made by Denny KC7RVK, with installation of D-Star VHF and UHF on a new antenna bridge (photo at right).

As of Saturday morning, March 9th, Mel K6UV reports D-Star repeaters are in the building on Red Mountain. Dennie KE7WOD called to report installation was completed by 10:30 AM.

Mel reports; “Installation work, one of the most difficult parts of the job, was accomplished today by Lee N7LD, Dennie KE7WOD, Dave AK7I (formerly KC7WJW), and Denny KC7RVK.”

At left, Las Vegas Valley as seen from Red Mountain repeater site. Photo: Denny Todd KC7RVK.

ARRL Launches “Introduction to Emergency Communications” Course

The ARRL Lifelong Learning Department has launched a revised and updated Introduction to Emergency Communications (EC-001) course. EC-001 is designed to provide basic knowledge and tools for emergency communications volunteers. With the online format, students can access the course at anytime from anywhere during the 9-week period and may work at their own pace and on their own schedule. Registration just opened for the first of four EC-001 online sessions, which will run from Monday, April 1, until Friday, May 31. More information at arrl.org.
From The Editor: “Hey, Buddy, E-mail Is So 1990s!”

Consider increasing the impact of your photos, club news, or announcements and keep the ‘Las Vegas Repeater Association News’ fresh and interesting. Loose that ‘Radops’ habit of sharing information within the club and let the ‘News’ send it out (after all, it is your newsletter)!

Remember the ‘Las Vegas Repeater Association News’ when you have Ham equipment to list for sale or trade.

Contributions and / or suggestions regarding the ‘Las Vegas Repeater Association News’ are encouraged and welcome! Send your contributions to Martin Reid, N6QU at ‘martin.j.reid@gmail.com’

The deadline for contributions for the monthly newsletter is the first Friday of the month. Future issues of the LVRA newsletter will be published and sent to members the weekend before the monthly meeting. Contributions and suggestions are encouraged and welcome!

Las Vegas Repeater Association — Membership Information

The Las Vegas Repeater Association (LVRA) owns and operates VHF and UHF Amateur Radio repeaters throughout Southern Nevada. LVRA is registered as a nonprofit corporation in the State of Nevada and prides itself in offering public service with open repeaters as well as a closed UHF system that is always available for emergency communications. Our membership is active in all aspects of Amateur Radio including HF operation, ATV, Packet Radio, APRS, ARRL field support and local frequency coordination. The mainstay of our club is a network of UHF repeaters that are always linked together, permitting Amateur Radio Operators on one repeater to talk and be heard simultaneously on other repeaters, much the way an intercom works.

A prospective LVRA member needs to be sponsored by a member who has been a member in good standing for at least one year. It is important to get to know a current member to learn what our club is about. We are always interested in attracting people who are active in Amateur Radio and willing to make a contribution to the hobby and our club in some manner. We welcome prospective members who are active, can regularly attend our monthly meetings, and are willing to pitch in when the need arises. If you are interested in joining, contact an LVRA member. Scan our frequencies as listed at www.WA7HXO.us. Learn what we’re about. Annual dues are currently $60 and subject to change. Our membership is limited to 60 families.

If this sounds interesting to you, please make the effort to get to know us. We enjoy participating in the many facets of Amateur Radio, and have fun working with Hams who share similar interests. To apply for membership, ask any member for an application, complete the information, and either e-mail the completed application to ‘membership@wa7hxo.us’ or mail to P.O. Box 72732, Las Vegas, Nevada 89170-2732.
Las Vegas Repeater Association, Inc
PO Box 72732, Las Vegas, Nevada 89170-2732

Membership Application

(Please Print Legibly)

[ ] New Member (Attach copy of license)  [ ] Renewal  [ ] Updated Info

Name_________________________________________ Application Date_____/_____/_____

Call Sign_____________License Class_____________ Expiration Date_____/_____/_____

Are you an ARRL Member? [ ] Yes  [ ] No  How long in Amateur Radio?_____years

Home Address__________________________________City_______________St___Zip__________

Mailing Address_________________________________City_______________St___Zip__________

Home Telephone(____)__________________ Work Telephone(____)__________________

Cellular/Pager(____)__________________ E-mail____________________________________

Occupation___________________Employer____________________________________________

[ ] Family Membership

Name____________________Call__________License Class____________Relation____________

Name____________________Call__________License Class____________Relation____________

Name____________________Call__________License Class____________Relation____________

Other Radio Club affiliations (past & present)____________________________________________

Positions held/or currently hold in Amateur Radio organizations____________________________

What Frequencies can you operate?_____________________________________________________

What Modes can you operate?___________________________________________________________

Do you have a four wheel drive vehicle?____ On what committee can you serve?______________

What can you offer the club?____________________________________________________________

_____________________________________________________________________________________

Annual dues are $60 per year. Dues are the same for an individual or family membership.
I agree to abide by the rules, regulations and By-Laws of the Las Vegas Repeater Association, Inc.

Signature____________________________________ Recommended By_______________________

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