

NEVADA COUNTY AMATEUR RADIO CLUB (www.ncarc.org)

NCARC CLUB MEETING MINUTES: March 10, 2025 *Salvation Army, 10725 Alta Street, Grass Val*

This meeting was on zoom. Thanks to Peter N6ERL.

DOORS OPEN 6:30 PM, Meeting at 7 PM

1.0 President called meeting to order at 7 PM

Cal AI6MC donated a new stand mounted American Flag for NCARC! Thanks Cal! Ken KA6SUB led the Pledge of Allegiance.

2.0 Welcome to Guests & New/Upgraded Amateur Radio Operators -

Paul KO6IGE made general, Larry KN6LIO made extra, and Paul KO6IGF made general (thanks to NCARC VE Team)

3.0 Attendees Roll call - Name and Call

This meeting had 20 attendees with 2 on Zoom

4.0 March Presentation - Jim K9JML: 3-D Printing 10 Years Later

Jim K9JM spoke to NCARC nearly 10 year ago when 3-D printing was new. Now he discussed the many changes and dramatic improvements in this capability. 3-D printing was a tinker's delight, but now it is an appliance. Machine cost has dropped from \$1,500 to \$200-\$400. There is a dramatic increase in the size of objects built, materials selection, off-the-shelf object designs (free and for purchase), and multiple software printing systems. Common software includes Bed Slinger, Core XY, and Delta. Jim discussed the many technical considerations and limitations in object printing such as the inability to print in mid-air. Water is the foe of 3-D printing and temperature change, humidity, and dryness of materials and other factors can result in unfortunate fuzz-balls of material. The three major machines today include Bambo Labs (China), PRUSA (Poland) and Creality (China). Jim outlined the differences in filaments including PLA, PTEG, ABS/ASA and TPU. He also described the many factors in various slicing software and provided examples with different finishes. Given the complexity of today's 3-D printing, a good first step if you are interested would be to contact Jim directly as his 10 year practical approach to 3-D printing has provided him detailed knowledge as to most every possible consideration leading to a satisfactory creation of a product.

5.0 Announcements -

(1) Chuck KI6CM achieved 100 VE Sessions after beginning in 2009. Thanks Chuck for your VE leadership and expertise, as well as previous Treasurer and a host of other support activities to NCARC.

(2) Dues are \$20. If you already paid \$25, see Geoff KO6AKE for a refund. Net roll call for paid members begins in March 2025. Guest check-ins are always welcome.

(3) Nevada County Fair: An emergency NCARC Board Meeting proceeded tonight's club meeting where a vote was taken to commit to the Fair. Payment to the Fair is due in May, so the next months will be pledge and other activities to raise the \$500 committed for the fair. Watch Ham&Coffee for more information and get ready for fun raffles. The NCARC President will confirm our spot at the Fair and set up a Fair Fund to raise the \$500. Consider a donation or a 50/50 sale at a future meeting.

6.0 Old Club Business - The February Club Meeting Minutes were approved. Club meeting agendas and minutes are on the website as are NCARC board meeting agendas and minutes.

7.0. New Club Business

- Membership, Treasurer: NCARC has 55 paid members including 2 Associate paid members. The bank balance is \$5,174.48.
- VE Report: next test April 19, 2025.
- Repeater Report - no issues
- Net Report - Ken KA6SUB. Check-in to count for the check-in awards at the Christmas meeting.
- ARES Report - Peter N6ERL ARES meets 1st and 3rd Tuesdays at the airport and several members are now up on WINLINK. All are invited to join ARES.
- Media Report (website and Ham&Coffee) - Cal AI6MC --see Cal AI6MC if you do not receive this weekly email.
- Facebook Report - no report.

8.0 Other Topics, Questions or any other discussion

Silent Auction: The donated CB was sold for \$10 after being on silent auction for February and March meetings.

9.0 Meeting closed at 8:31 PM

a. Room will be open for 15 or 20 minutes for one-on-one discussions

b. Members with Events or other notes for future Agendas, please email wa6nrg@yahoo.com