

**MINUTES for June 3, 2024 NCARC Zoom Board Meeting
(for additions or corrections, contact wa6nrg@yahoo.com)**

1. Call to Order

KA6SUB called to meeting to order shortly after 1100. Initially, all members but Phil W6PD were present, but Phil joined the meeting before it was completed. No club members or visitors checked in.

2. Old Business

- a. The minutes from the May 6, 2024 board meeting were approved without addition or correction.
- b. The club meeting on June 10 will NOT be on zoom since the YouTube presentation links are provided in in the club meeting agenda that will be included in Ham&Coffee. Zoom meeting coverage will try to be provided when a guest speaker provides the club meeting presentation.
- c. Cal AI6MC provided a certificate to be presented to a club member. Ken KA6SUB will present the certificate to the member at the June 10 club meeting.

3. New Business

a. Membership, Treasurer, & VE Report - Chuck KI6CM

KI6CM reports 68 members, funds are \$6366.03.

The next VE session is June 15. There are no reservations for the test at present. The current ARRL Extra book expires the end of June 2024 so this is your last chance before buying a new book.

b. Repeater Report - John AB6LI, Dan W6AI, others

The repeaters and 015 worked well for the Rotary Club ride. There were a few minor issues getting PL's correct. Cal AI6MC was able to support the horse event using a handheld and 015 from Skillman.

c. Net Report - Ken KA6SUB

Ken KA6SUB reported there is a need for another net controller for the 1st Tuesday. Also a backup operator would be helpful.

d. ARES Information - Peter N6ERL

Next meeting Thursday will be at the airport.

e. Media Reports (website and Ham&Coffee) - Cal AI6MC

nothing new

f. Facebook - Phil W6PD

There may be an issue with getting postings to post. Phil W6PD will investigate.

g. Rotary Ride June 1 - Brian Watson K06BCK

The June 1 Rotary Ride support went off well. Two important messages were provided and SAG was supported. There was discussion as to the purpose for first group count being provided. Chuck KI6CM is interested in getting the Garmin printout. Thanks to the following members who made this event successful:

KE6FIQ	John Hart
WA6NHN	Henry Tardif
W6FTC	Tom Cade
WiKI6CM	Chuck Murphey
WA6YCD	Eva Ruben
KB6PUK	Jim Flaherty
KZ6B	Alan James
KM6IUK	Charles Zimmermann
KN6OPC	Jeff Olson
KO6AKE	Geoff Richard
W6PYJ	Kent Williams
MKN6DZE	Noah Campbell
N3BEN	Ben Soper

h. ARRL Field Day June 22-23 - this event will be a "Flash mob" event at the Omega Overlook rest area on Highway 20 as in past years. As a club budget event, Cal AI6MC will bring lunch sandwiches and he intends to bring his satellite link. Members are encouraged to show up, bring radios/antennas, let prospective and new hams make contacts, and locally coordinate frequency usage with each other. Serious contesting is NOT encouraged as this is intended as a low key, fun outing for the NCARC.

i. Nevada County Fair Aug 7-11 - Ken KA6SUB leader

Ken KA6SUB will provide an update at the club meeting and he reports he still has fair slots open for member manning of the booth. The fair charges \$455 this year and this event is to be Salvation Army sponsored. Members participating in the event will be provided tickets or be reimbursed by NCARC in accordance with the common practice from previous years. Fair exhibits are 10AM to 10PM. Adult entry is \$10, Senior \$7, and Parking is \$7/day or \$25 for the fair.

j. Club presentation June 10 - Two YouTube ham radio videos will be shown and discussed. Member comments and experience should be shared after each of these videos.

Antenna Engineer Verses Ham Radio Antenna Myths! True or False? 6 minutes

this has a test with 11 true/false questions - see the end of this agenda

<https://www.youtube.com/watch?v=pTPHpW2NugM>

reference source: <https://www.k3emd.com/downloads/Reflect.pdf>

The G5RV Antenna Story - The Design, the Facts and the Myths! 24 minutes

<https://www.youtube.com/watch?v=I28XUmbUXsA>

k. Ice Cream

Ken KA6SUB is donating Ice Cream for the meeting. Board members are requested to bring toppings.

l. Next board meeting - Zoom, July 1, 2024 at 11 AM.

4. End of Meeting

submitted wa6nrg, June 5, 2024

Questions for Video 1: True or False?

1. Reflected power does not represent lost power except for usually minor losses with low loss coax cable in the HF bands.
2. Reflected power does not flow back into the transmitter and cause damage.
3. Any effort to reduce an SWR of 2:1 on low loss coax in the HF bands will not significantly increase power to the antenna.
4. Low SWR is not proof of a good-quality antenna system. On the contrary, low SWR over a range of frequencies is a sign of problems.
5. An antenna does not need to be resonant for maximum current flow. The feed line need not be any particular length.
6. If a transmatch cancels all the reactance in a non-resonant antenna the entire system is resonant.
7. The majority of towers in commercial AM radio stations are of heights that are non-resonant.
8. An antenna tuner, or transmatch, does not change the SWR on the line between the tuner and the antenna.
9. A properly adjusted antenna tuner changes the phase of reflected power adding it to forward power.
10. At the antenna tuner, reflected power undergoes a phase reversal and complete reflection back to the load. It is not dissipated in the transmitter.
11. High SWR will not cause a coax line to radiate.