

N7LGN Amateur Radio Club
23 October 2024 - Minutes for the General Meeting
Meeting Location: American Legion Hall Post 113, 22 W. Broadway Ave., Meridian, Idaho

Meeting: Richard Dees called the meeting to order at 7:00 PM and led the **Pledge of Allegiance**.

Officers Present: President: Rich Dees, Vice President David Hunter; Secretary/Treasurer: Alicia Bunnell

Introduction of Attendees: (11 Present) Rich Dees W7BOI, David Hunter N7MKY, Alicia Bunnell W7YUT, Chuck Crooks W7CSC, Annette Hunter KK7AYJ, Dean Bunnell W7DBX, Dave Gipson KC9EI, Tom Olaso KJ7WDU, Jeffrey Thomason K7VNO. No call sign: Todd Weathers and William Weathers

Reading of Minutes: Previous meeting minutes were posted and read. Motion approved and seconded.

Treasurer's Report: \$2,555.94 Alicia reported the financials for the period ending September. Motion approved and seconded.

Committee Reports:

- **Repeater:** David reported the repeater is working great and EchoLink is reliable; Dave provided overview; EchoLink Node 241133. You can download EchoLink software, go to www.N7MKY.com and on the top bar, click on N7LGN menu.
- **Nets:** Rich reported the following:
 - 1) 94 Net – Meets on Thursdays at 7:00 PM on 146.94
 - 2) Simplex Net – Meets on Thursdays at 7:30 PM on 147.420
 - 3) Net Control Operators – **Volunteers are needed**. Rich weeks 1 and 2; Kevin week 3; Jonathan Week 4.

Activities/Announcements:

- November 16: Ham Test - Time:10 am. RSVP required – No Walk-Ins; contact Rich Dees
- **November 28: Thanksgiving – No Club Meeting**
- **December 18: “Christmas Party, White Elephant – Potluck” Wednesday at 6 pm**
- December 21: Ham Test – Time:10 am. RSVP required – No Walk-Ins; contact Rich Dees
- January 18: Ham Test – Time:10 am. RSVP required – No Walk-Ins; contact Rich Dees
- January 19: “Quarterly – “Elmer in the House” Topic will be Antennas. Sunday at 2 pm
- **January 22: Next N7LGN Ham Club Meeting – Wednesday at 7 pm (pizza at 6:45 pm)**
- January 25, 2025 – Winter Field Day – Potluck; to be hosted by David and Annette (details end of December)

Presentation “Designing and Building Band-Pass Filters” by Dave Gipson KC9EI

Dave provided an overview of how a band pass filter works and why we use it. Briefly, band pass filters combine low and high pass filters allowing specific frequencies to pass through; one of the illustrations showed frequency (MHz) and transmission (dB). He also mentioned types of filters, capacitance, inductance, reactance, resistance (remember Ohm's Law?) – the presentation had illustrations, schematics, formulas – it was a good review and helped expand some of our technical knowledge. Band pass filters are also useful in ham radio, in noisy environments when radios operate close to each other, i.e. Field Day, POTA - it helps eliminate interfering signals. Dave mentioned the ARRL Field Day "1000 Rule" – all equipment, including antennas must be within a circle whose diameter does not exceed 1000 feet. Also, it was interesting to find out, as several of us did not know - Ed Wetherhold W3NQN, ARRL Technical Advisor had designed the band pass filter, which became the standard and companies make them. Dave brought an electrical reference, UGLY's - you can check the website at: <https://www.uglys.net/uglys-products>. As a Club Project, Dave offered to provide us with hands on building experience – learn more about band pass filters; date will be announced – will keep you posted.

Business:

- Quarterly Elmer in the House. Topic will be “Antennas”. Sunday at 2 pm – to be held day after the Ham Test.
- Net Control Operators: Need Volunteers – contact Rich Dees.
- TALRAC – Sunday evenings at 8 pm on EchoLink.

New Business:

- If you have Emergency Communications Systems – contact Chuck Crooks W7CSC
- Frank donated 150' coax cable and Icom 7300. Update on the purchase of repeater, duplexer and antenna; motion passed unanimously (at July 2024 meeting).
- 440 Repeater on order – may arrive in January. Frequency may need to be in the UHF range.
- Need antenna tower help – contact Rich Dees.

Give Away Drawing: Todd Weathers won - UGLY's Electrical Reference book

Meeting Adjourned at: 8:10 PM **Secretary/Treasurer:** Alicia Bunnell W7YUT