



Watts Up

Monthly Newsletter of the Umpqua Valley Amateur Radio Club
Nov. 2022

The Umpqua Valley Amateur Radio Club meets monthly at The Way Church, 1352 East Central, Sutherlin.

UVARC.NET is the club website. Check the website for updated information about testing, meetings, events and radio nets. The website also lists local repeaters and frequencies.

VE Test Nov. 9 @ 6 pm
Next Meeting Nov. 17 @ 7pm

New Hams, and Upgraded Licenses

Our newest General Hams are:

George Clavell – Tech – KK7IQJ
Julie Ruch – General – KI7PFD
Roger Kochel – Tech – KK7IQI

Congratulations to our new and upgraded hams.

Extra Exam Test Question - E1F02

What privileges are authorized in the U.S. to persons holding an amateur service license granted by the government of Canada?

- A. None, they must obtain a U.S. license
- B. All privileges of the Amateur Extra Class license
- C. The operating terms and conditions of the Canadian amateur service license, not to exceed U.S. Amateur Extra Class license privileges
- D. Full privileges, up to and including those of the Amateur Extra Class license, on the 80, 40, 20, 15, and 10 meter bands

Answer at the end of the newsletter

Upcoming Ham Events

Oct. 29-30 – CQ Worldwide DX event – SSB - 1700 Friday to 1700 Sunday
ARRL November Sweepstakes

CW -Nov 5 1pm to Nov 6 8pm PDT (*note we change the clocks this weekend*)

SSB – Nov. 19 1pm to Nov. 20 8pm PST

Nov 26-27 – CQ Worldwide DX event – CW – 5pm Friday to 5pm Sunday PST

Dec. 9-10 – 10-Meter contest – 4pm Friday to 4pm Saturday PST

Emergency Plan

Mark Rowel has put together an emergency frequency list for members to use. The Plan has a list of frequencies available for members to try to use during any type of emergency. This is primarily for “in Club” contacts, so we can check on each other or request assistance. Which brings us back to another item, how are you going to run your radio when the lights are out. The Weekly Simplex Net on Fridays encourages “emergency power” use on the last Friday of the month.

Bug Out Bags

- The wind's blowing 30 mph and the fire's just over the hill.
- We had 15 inches of snow last night, and the power may be out for 2 to 3 weeks.
- The "big one" earthquake just hammered us from the Cascadia subduction zone. No power, bridges down everywhere.
- Big trucker's strike, no food or fuel is being moved anywhere in the country.

Got any big ideas off the top of your head? Best place to start is a Bug Out Bag. Put whatever you will need in the bag. I use 3 days as a starting point. Be sure to include your medications, snack food, flashlight, radio, fire starters, etc. When the fires hit Talent, OR, some people had 20 minutes from the warning to when their house was actually burning. So make sure your bag is ready to grab and go. Oh, did you remember dog food for Rover in your bag?

After that, start thinking about what you would need if you were stuck at home. Extra easy-to-prepare food, water, lanterns, medical supplies. www.RedCross.org has a good check list to get started with. How are you going to cook it? Hmmmm. Got gas for that new generator you bought last week?

When you are starting on your bugout bag and home supplies, think about the kind of emergencies you are likely to have where you live. We have a pretty low chance of a tornado, but we've had Snowmagedon, Columbus Day storms, North Umpqua fires, storm induced landslides and floods. And don't forget terrorist can strike anywhere.

Club Elections

The following have been nominated for officers for the 2023 year:

President – Dennis Riggs	1 st Vice Pres. – Mark Rowell and Lynn Patterson
2 nd Vice Pres. – Greg Hesseltine	Treasurer – Jim Stuntz
Secretary – Dohnovan Reed	Sgt. At Arms – Paul Ebelmesser
Member-at-Large (2 positions) – Clancy Mills and Rick Kluver	

Additional nominations will be accepted at the November meeting, prior to voting.

Membership Renewal

We have started a Square charge account that will let us pay our club dues with a credit card. We will only take cards at club meetings. We are not going to try to take charges over the internet. Dues are still \$24 per family, with memberships all running from the first of the year to the end of the year.

Field Day

We are going to try a new location for our Field Day in June. I know it sounds a bit early, but we have been looking at several sites. For 2023 we are going to use the City Park in Sutherlin. It has several advantages: Shade, Restrooms, Grass, Trees and a new Bandshell. It is also only about a half-mile from The Way Church, where we will have out potluck. Being close, members can also use The Way Station radio if they don't want to use the park, or if they don't have a portable HF station.

Ham of the Year

Once again, we are closing in on the time for awarding our Ham of the Year award. If you have nominations for Ham of the Year, mail them to the club's PO Box address, or give them to Lynn Patterson or Paul Branchfield. We have had several members who have done lots of extra work over the year, but we want to hear who you think deserves to be our Ham of the Year. We award it at our Christmas party in December. Nominations will be accepted up to the night of our November meeting.

How High SWR Damages Transmitters

This is being passed on from Mike Selby W7RIS, presented to the Peak Repeater Assn. meeting on 10-17-22. Snippet from the discussion:

Ultimately, it is impedance mismatch (really, too low an impedance) that damages transmitters. The thing to realize is the impedance seen by the final power transistors in the amplifier (the part that usually breaks) isn't the same impedance at the amplifier's terminals.

The reason is that amplifiers contain filters on their output to filter harmonic suppression, among other things. These filters are designed with the assumption of a 50Ω resistive load. When that assumption holds, the filter presents the design impedance to the finals, which the designer has determined will not smoke the transistors.

When the load is not 50Ω, the design conditions are violated, and the impedance presented to the finals could be anything. If you get lucky, it will be a high impedance which just means the amplifier can't deliver its full rated power. If you get unlucky, it's a low impedance which draws too much current and overheats the transistors.

Oct. Meeting minutes

Below are the un-approved minutes of the Oct. 20th UVARC meeting. Corrections or additions to the minutes need to be referred to Sec. Pam KK7BWM

Note: These Minutes have been condensed for the Newsletter and items covered above are not listed.
Contact Pam for the full Minutes.

Meeting called to order by President Steve Burke, 23 members and 1 guest present.

July's and September's Club Minutes: Pam KK7BWM: July's and September's minutes were available on the website and through the Newsletter. Minutes were signed by the President and Secretary as accepted.

Treasurer's Report: Jim WN7COO Accounts in good standing, no large expenses due until next year (insurance, PO rental, etc).

In November we will vote for new officers, and accept nominations for Ham of the Year.

In December: Holiday Potluck, instillation of new officers, award of the Ham of the Year.

Jim WN7COO announced the passing of LaDon Snyder KA7AAR and asked for a moment of silence; thus observed.

We are still planning Ham Radio Classes at The Way Church. Dennis states that the Pastor is eager for the classes, and that the public is invited to attend as well. Classes generally 6-8 weeks in duration, with a class each week. Greg W7HDG and Paul W7PEB will develop the schedule. Only cost would be for the course manual. Dennis states that Wednesdays are the best day for the room availability. Ham Exam is always the 2nd Wednesday of the month, so the class schedule will need to work around that.

President commends everyone who has been putting in effort with the Way Station. Discussion regarding an orientation to the station for new operators and experienced operators will be developed. Mark N7MHR listed all he has donated to the station and stated that addition work needs to happen to install.

Jim WN7COO states that the Early Bird starts now. Due paid now through Dec 31 will be entered for the Early Bird Drawing in which the winner will be eligible for dues refund. Each member now gets a new membership card with an official membership number. This number will be used for the drawing.

Mark N7MHR: Emergency Plan: Mark talked of his emergency plan and issues were raised by members who do not want to be included on his plan, and issue of using the Club Roster for his list, which is a private list. Mark has been instructed to scrub the list and start with a new list; using the names of those who voluntarily submit their names to be included, like those who submitted the capabilities form that Mark created earlier.

General Test Answer: C