

CLALLAM COUNTY
AMATEUR RADIO
CLUB

QTC

MARCH 12

The Prez's Page

Get Your License Here!

Next exam session is April 21st.
Tech and General classes on
April 7 and 14.

See ccarc.org scroller for details.

Chuck N7BV
ARRL VE-L

CCARC QTC Newsletter

Just a little background on the QTC.

We use ccarcqtc@yahoo.com as a repository for information for the newsletter. So if you have something for the QTC, please send it to the yahoo address. Do not send it to one of the editors as they will just have to turn around and resend it to the yahoo address.

Please make sure the article or information is complete. As we rotate editing the newsletter you cannot be sure which editor will be piecing the newsletter together.

Please remove as much formatting from within whatever program you are using if you know how, before sending it to ccarcqtc. We do not edit, except to change fonts to a standard non-serif font (Arial which is easier to read than Times Roman). We will run a spell checker.

When first conceived the editors were given free license, it still is that way. It was understood they would endeavor to include everything submitted, within reason. For instance, off color jokes etc are not going to be printed.

Thanks,



Program 03-14-2012

Bill Carter, W7WEC

Live Demonstration. Using a Ham radio to send an eMail from the wilds.

Always available 24/7. No Phone or Cell coverage - no problem.

Have an idea for a club program?
Pass them along to the members of the program committee: Bill Carter, Janet Parris, or Chuck Jones.
Thanks.

We need articles for the QTC newsletter. This is your newsletter.

Tell us how you became interested in Ham Radio. What did you do over the summer (just like school) huh!

The more you submit the less we have to think of.

Thanks, the staff!

2 METER NETS

CCARC :

Every Thursday 7:00 pm on the W7FEL Repeater.

ARES/RACES:

Every Tuesday except 1st Tuesday of the month at 7:00 pm on W7FEL Repeater.

W7FEL Repeater: 146.76 MHz., offset down 600 KHz. with a tone of 100 Hz.

The following is reprinted with permission from the October 2011 issue of CQ magazine. Copyright CQ Communications, Inc. This was their annual "Emergency Communications Special". The author is George Tranos, N2GA who writes the monthly Contesting column. CQ magazine is a great magazine which contributes a lot to the world of Amateur Radio with how-to articles, information and reviews of equipment. I know many of us already get CQ magazine, but if you don't, give it a try for a year and see if you don't agree.

Not trying to convert anyone into a full fledged tester, but using your radios a bit during a contest can be fun and develop skills that are needed for emergency communications. How many of you have an HF station and only use it on the Tuesday night net to communicate some 30-miles. What will happen if your services are needed and you still think of SSB as a drunk Donald Duck? The thing about getting on during a contest is you will defiantly find someone. Read the rules for the contest so you know what to say and then have some fun. You will be amazed at what you can work. 73, Chuck N7BV

Emergency Communications Special Contesting Benefits For EmComm Operators

Amateur radio is a hobby pursued by individuals with diverse interests. Reasons for becoming a ham vary greatly, but many do so to give something back to their community. Ham radio is justifiably called the "Amateur Radio Service" because of our ability to provide vital communications links when all else fails. There are many times hams have provided lifesaving assistance during and after major disasters (see Richard Fisher, KI6SN's "Public service" column for more). There are major benefits to being trained and prepared in the event of an emergency. Contesting can help develop your skills and get you ready just in case.

Listening Ability

To become a good tester, you must learn to listen well. This implies being able to pull stations out of the noise and the ability to use all of the tools available to help you do so. When operating a contest, finding a new station to contact is a critical skill. Operators search the band to locate someone and then must tune them in properly to hear them well. A tester with "good ears" can copy signals others cannot. He or she can tune out any interfering signal or extraneous data. The seasoned tester will get the most out of equipment being used regardless of the gear.

Fast and Accurate Copy

Hearing and copying callsigns and contest exchanges is the crux of all contest operating. Contesters learn to pull a full callsign out of a pileup. They can quickly log the contact and send the exchange in the most efficient way using the least amount of time. They are able to rapidly move on

to the next contact. Speed is not their only concern however. They also are accurate in their copying ability. They get all the information correct the first time. Listen to a good run station and what you'll hear is an efficient operator methodically working down a pileup. Developing the skill to know what to say, how to say it, and what not to say is critical to both contesting and emergency communications.

Message Handling

During emergencies, passing traffic is critical. Sending messages into and out of the disaster area is a lifeline for the victim, their relatives, and their friends. Learning how to pass traffic is a skill that contesting can help develop. Some contests, such as the ARRL November Sweepstakes, have long exchanges that mimic message handling. Sweepstakes has a exchange that consists of a serial number, precedence, callsign, year first licensed, and ARRL section. Sending and receiving this information in the proper sequence, copying it properly and doing it all quickly requires aptitude. This same talent is needed when getting a health-and-welfare message out during an EmComm operation.

Station and Antenna Construction

Testers are constantly designing, building and setting up stations and antennas. The best contest stations frequently change. As technology goes forward, testers alter their stations to incorporate the latest and greatest equipment to keep them at the cutting edge to be competitive. They learn how to integrate components into an existing operation. They analyze antenna designs, construct new antennas, and test and compare

antennas against each other, all in an effort to hear and be heard better.

EmComm operators have similar needs. They must be able to quickly deploy to a stricken area where they will have to erect an effective antenna system so they can get the message through. Having the experience of doing this at a contest station will help them know what will work and what won't. Knowing how to set up a station will help them do so when times is critical and lives depend on it.

Battle-Tested Gear

Contesters are continually searching for equipment that will stand up to the rigors of the contesting competition. Their gear must be reliable and able to withstand high-duty-cycle operation. EmComm has similar requirements. Radios must work when needed and be able to tolerate long hours of action. Contesting helps develop the habit of creating checklists of things needed, things to do and future improvements. This is a desirable trait for the EmComm op as well. A well-stocked "Go Kit" is the first item grabbed on the way to an emergency. Creating, maintaining and improving that "Go Kit" is an important job. It should contain backup gear as well in case the primary stuff breaks. Contesters have similar needs, as hanging to spend time during the middle of a contest to go out and replace a broken piece of equipment takes away from making contacts and increasing a score. In an emergency situation, a broken piece of gear could keep a message from being passed that could cause hardship, delay, or worse.

Hours in the Chair

The accomplished contester becomes comfortable operating for long stretches at a time. This endurance is an important contributor to increasing the score. Staying on the radio is even more important during an emergency. The primary operator may not even have a backup in really bad situations, and stamina may be critical to save lives and property.

Operating contest help develops the persistence needed to stay on the air under less than ideal conditions. Seasoned veterans learn to pace themselves to minimize off-time. The best operators have an eating and drinking strategy and look at

major contest like runners view a marathon. They train for survival and develop staying power to capitalize on-the-air time.

Constant Training and Readiness

Many contesters view the period from September to May as "contest season" and plan for it in advance. To prepare themselves, they make station improvements during the off-season and then try to schedule their operating events. They operate frequently to keep in condition. Continually training, their ears become accustomed to being on the radio and thus they stay in prime readiness for the next event,

This is just as important for the EmComm personnel, as they must be ready to go when the situation arises. They can stay in radio shape by operating frequently. Contest, public-service events, and directed nets are great training and can keep the skills fresh for when they are needed most.

Synergy

Emergency communications training is an important part of being ready for the real thing. Humans tend to revert to their training when an emergency arises and we are pressed respond. That response may be critical to the public and to our own family during a disaster.

Operating ham radio contest will help you continually train and be ready. Both contesters and EmComm operators must have good listening ability and be able to quickly and accurately pass messages. Both must learn how to set up radio stations and antennas, and have reliable equipment and backups on hand in case of breakdowns. Operators must develop endurance to stay on the air and practice regularly to maintain and increase their skills.

There is synergy between the two disciplines and overlapping knowledge and skills. Being a good contesters can help you become a better emergency communications operator and vice-versa. If you're serious about emergency communications, give contesting a try. It will help you be ready "when all else fails"

73, George, N2GA

Other Things Amateur Radio

Neil Robin, WA7NBF

The majority of new amateur licensees migrate towards the operation of commercially built equipment using voice communications for near and far.

Other aspects of our hobby can not only be fascinating but lead to exciting careers! Many, like me, launched our career based upon early experimenting with wireless technology. After retiring, I still love to "tinker". Building complex digital systems, radio direction finding (RDF), satellite communications, astronomy and low frequency high voltage generators (Tesla Coils) to name a few. Furthermore, the computer age has brought opportunities for the marriage of RF applications with computational capability, i.e. synergy. Software defined radios and advanced digital modulation techniques are having a profound impact on wireless communications including amateur radio. Our hobby is blessed with a great future for the experimentalist.

Are you interested in exploring some of these endeavors? Every year starting in late winter through fall, a few of us pursue these activities locally and in the greater PNW (Pacific Northwest).

Examples:

1. Radio Foxhunting. This is a developed skill that allows you to find hidden radio transmitters with practical uses such as locating downed aircraft, tagged animals and undesired transmissions. RDFing (Radio Direction Finding) is to gain bearings but you also want to learn "ranging". We participate in contests, learn how it's done, what works and what doesn't. We set up practice searches in Robin-Hill Park, challenge the Canadians from

Victoria and Vancouver and have fox hunts that include a camping weekend at Ft. Flagler.

It involves construction of equipment, antennas and programming of microcontrollers using assembly code



KA7CSZ, Marsha learning about Yagi's

2. Make contact with ISS (International Space Station), and if at night, next to a campfire, select a pass where we have visual contact at the same time. This usually occurs in the summer. Invite qualified high school students to participate.

3. Demonstration of a medium size Tesla Coil. Learn about high energy physics, X-rays, radioactivity, demo of ion propulsion for spacecraft, see ionization of gases and the spectrophotometer. Discuss Nikola Tesla's dream which was way ahead of his time. Many consider him the true inventor of radio, not Marconi.



Corona discharge on the left

4. Participate in public service communication events involving complex communications such as cross band repeaters (CBRs), digital systems and improved antennas. Use of portable, high gain directional antennas to improve range and reliability. Build your own, it's easy! Learn how to solve communication challenges which will better prepare you for real world emergencies.



WX7RIK, Rik. Downhill bike race

These are a few of the things we do that you may enjoy being part of?

We like to explore things related to our hobby that might appeal to the younger, computer orientated person. Introduce them to the sciences and possibly help launch a long, rewarding career.

Where do I learn more?

We have several sources where further information can be found:

RDF:

<http://www.robin-wood.com/Ham/>
<http://www.homingin.com/>
<http://groups.yahoo.com/group/nwrd/>

Tesla Coil:

<http://www.robin-wood.com/Tesla/tesla.htm>

For other information--Contact:

Neil Robin, WA7NBF

neil@robin-wood.com

Or

Marsha Robin, KA7CSZ

witch@robin-wood.com

If you have an interest in the technical side of amateur radio and find these activities to your liking, let us know and we'll put you on the email list.

This is not a passive activity but requires involvement by participants. Having fun and gaining knowledge in the process.

W7RJW "Net" Working

Some local nets to listen in on/participate in. This is one good way to learn how we communicate on the airwaves as amateur (ham) radio operators. I spent a year just listening to a couple of these nets and how experienced operators talk to each other, before I even tried for my Technician license. It REALLY helped me a lot. I strongly recommend doing this on a regular basis. Enjoy!

Sunday:

LDS (Latter Day Saints) Emergency Net (you don't have to be a member to participate) 6pm on 146.760

Monday:

Elwha Emergency Net 5:30 pm On 146.760

WARA (West Coast Amateur Radio Association) Club Net (Victoria, BC Canada) at 7pm on 146.840

Tuesday:

ARES (Amateur Radio Emergency Services) Net 7pm on 146.760 (except for the first Tuesday of the month, when ARES meets at the Clallam County Courthouse)

Wednesday:

WARA (West Coast Amateur Radio Association) Emergency Net 7pm on 146.840
Simplex Net immediately following: on 146.580

Thursday:

CCARC (Clallam County Amateur Radio Club) Net 7pm 146.760

73 W7RJW Rebecca J. Winters

FOR SALE or TRADE

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Your Ad Could Have Gone Here

NEEDED

*Club Secretary
Our elected 2012 secretary re-
signed for health reasons and we
need a replacement ASAP*

*Please consider this important po-
sition and a voting board member.*

Thank you

Available from

www.lulu.com/spotlight/HonoreW6IAM

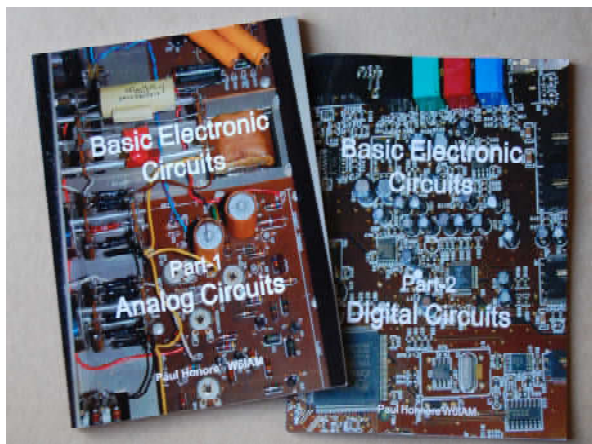
Basic Electronic Circuits,
Part-1 Analog Circuits

Basic Electronic Circuits,
Part-2 Digital Circuits

Basic Electronic Circuits,
Part-3 The Practical Radio Shack

By CCARC member, Paul Honore'
W6IAM

*These books are a non-threatening
Introduction to the technical aspects of
Ham radio*



**What's new on Ham
Nation?**

<http://twit.tv/hn>

February 29th, 2012

Episode #37: The Orlando HamCation
A tour of Orlando HamCation 2012, early lavalier
microphones, building a frequency counter kit,
and more.

February 22nd, 2012

Episode #36: Connect An Audio Mixer To Your
Transmitter
Ham Tails, building a homopolar motor, white
noise explained, and more.

February 16th, 2012

Episode #35: Amanda And Jeff Join Us On Valen-
tine's Day
Loyalist City Club anniversary, flexible lighting,
balanced and unbalanced explained, and a spe-
cial Valentine's Day treat.

February 8th, 2012

Episode #34: John Amodeo, Producer Of Last
Man Standing John Amodeo, producer of ABC's
new show, Last Man Standing, talks about the
show, Tim Allen, and ham radio, Gordo reports
from his annual CERT class, installing a mic con-
nector, and more.

Have a cup of coffee, relax and watch one.

CCARC Committees

Activities Chair: Bill Cozzolino WO7S

Education and Training: Chuck Jones N7BV

Field Day Co-Chairs: Al Fisk KD7TFK, Bob Rouleau KF7EFL

Health and Welfare: Vacant

Membership Chair: Becky Winters W7RJW

Net Coordinator: Becky Winters W7RJW

Program Co-Chairs: Janet Parris WA7JEP, Bill Carter W7WEC, Chuck Jones N7BV

Public Relations Chair: Bill Cozzolino WO7S

Publications (Newsletter): Chuck Jones N7BV, Bill Cozzolino WO7S, Jeramey Johnson KF7PMC

Technical Chairs: Mark Merrikin, AE7IP & Paul Benadum, WB8BVK

Web Site Administrator: Rik Scairpon WX7RIK

CLALLAM COUNTY AMATEUR RADIO CLUB GENERAL MEMBERSHIP MEETING

WEDNESDAY, FEBRUARY 8, 2012 AT 1900 LT

1. Call to Order 1900 by Becky W7RJW
 2. Pledge of Allegiance
 - a. Followed by Self Introductions
 - b. General Announcements
 - c. Jayme Wisecup, EOC for Clallam County Sheriff Department introduced herself and spoke about CCSO EOD operations and interface with CCARC ARES/RACES. Al Dawson reported that if he is called, he will activate a telephone tree to ask people to monitor the repeater. Also, during a storm or event, monitor and check into the net on Club Repeater W7FEL.
Send an email that the ARES net is up to Chuck, Bill or Jeramey and they will send an all-club email regarding activation of the ARES net.
 3. Presentation by Roger W7VW & Mike Mraz N6MZ, 2007 DXpedition to South China Sea BS7H Scarborough Reef
- Break: 2026, Meeting called to order by Becky W7RJW at 2036
4. Old Business
 5. Approval of Minutes of last meeting, motion made to adopt the minutes as published in the QTC made by Chuck N7BV, Second by K6MBY, Bob, motion carried.
 6. New Business
 - a. Officer Reports
 - i. President
 - ii. Vice President - ABSENT
 - iii. Secretary - VACANT
 - iv. Treasurer
\$6,951.17 as of 31-JAN-12, last month \$855. in dues, \$0.12 in interest, spent \$10.00 for annual business license with Secretary of State.
 - v. Chairman of the Board
Verbal summary by Jeramey of the Board Meeting from earlier today.
 - vi. Repeater Trustee
About a week ago the repeater was locked up, noticed by Bob K6MBY, if you notice the repeater malfunctioning please call trustee KE7TTT, or a board member so action can be taken immediately.
 7. Committee Reports
 - a. Activities - Meeting and Program was broadcast on KONP-AM 1450 this morning. PDN, Sequim & Forks newspapers will be notified. Bob, K6MBY pointed out we should send info to KSQM - Sequim Community Radio.
 - b. Public Relations - As with Activities Bill has pushed out this information to the newspapers and KONP.
 - c. Publications - February Newsletter by Bill Cozzolino, Great Job!
 - d. Membership - Becky W7RJW is leading effort.
 - e. Health and Welfare - Chuck N7BV
 - i. KE7XX, Tom Newcomb has withdrawn from active club activity until such time as his personal commitments allow.
 - ii. Johan had surgery on his back, Dennis (AD7TV) saw him recently he is convalescing well.
 - iii. N7HFL Chuck Magilver was in & out of hospital.
 - iv. Nita was on the air last week, Dennis spoke with her, she is healing well and is making good recovery progress.
 - f. Technical -

- i. Mark broke his foot about a month ago.
- g. Field Day
 - i. Site: Clallam County Fairgrounds
- h. CCARC 2 Meter Net
- i. Steve, NL7US has resigned due to personal issues. Becky W7RJW will act as coordinator, and will post current protocol to website thru Rik (web administrator)
- i. Education and Training
 - i. Next class is scheduled for April per Chuck N7BV
- j. Website Administrator - ABSENT
 - i. Send an email to Rik if you see anything needing updating, or have new information.
- k. Motion to Adjourn by W7WEC, Second by Chuck N7BV, motion carried, meeting adjourned at 2057.

Respectfully submitted,
Jeramey Johnson, KF7PMC

**CLALLAM COUNTY AMATEUR RADIO CLUB
EXECUTIVE BOARD MEETING**

WEDNESDAY, FEBRUARY 8, 2012 AT 1100 LT

Present: Chuck Jones, Dennis Tilton, Rebecca Winters, Ernie Griffith, Jeramey Johnson. Absent: JoAnn Cozzolino (Secretary)

- 1. Call to Order
- 2. Approval of Agenda
- 3. Old Business
 - a. Review existing meeting protocol
 - i. One Hour Meetings
 - ii. Secretary or appointee keeps on topic
- 4. New Business
 - a. Review Officers duties and assignments
 - i. General discussion of Officers duties
 - ii. Freshman Board member keeps Club inventory (Dennis) will get current inventory from W7RIK, and that club keys will be accountable on the club property inventory.
 - iii. President to break tie votes at Board Meetings (see bylaws)
 - 1. By law review committee appointment for review in 2012.
 - b. Review of Expenditures and Revenues
 - i. Ernie presented expenditures and revenues, motion made by Chuck, N7BV and second by Jeramey, KF7PMC to approve all transactions as posted November 1, 2011 thru 8-FEB-2012.
 - c. Field Day Status
 - i. Will get update at general club meeting

- d. Resignation of Secretary JoAnn Cozzolino motion to accept resignation by Jeramey, K F7PMC, second by Chuck N7BV, motion passed.
- e. Repeater Maintenance Issues
 - i. New technical committee member has broken his foot, he hasn't made it to W7FEL site, Board will monitor this issue.
 - ii. Complaint made by LaPush member that he cannot reach repeater from LaPush beaches.
- f. Review of Expenditures & Revenues
- g. Committee Talks
 - i. Net Control Operator Resigned, Becky W7RJW will assume duties.
- h. Scholarships
 - i. Motion made by Chuck, N7BV, Second by Jeramey KF7PMC, to support ARRL Scholarship fund in amount of \$100.00.
 - ii. Will investigate status of Bob Kennedy Memorial Scholarship fund and make movement next meeting.
 - i. Next Meeting: March 14th, 1100 Smugglers Landing
- j. Motion to Adjourn Dennis, Second by Ernie, motion passed 1159.

Respectfully submitted,
Jeramey Johnson, KF7PMC

FROM OUR TREASURER

As of Feb 29,2012

| | |
|---|------------------|
| First Federal Savings & Loan of Port Angeles Balance: | \$ 7111.23 |
| Outstanding Cheques: | \$0.00 |
| Checkbook Balance: | \$7111.23 |

Thanks,

Ernie Griffith
 W7EWG
 CC-ARC Treasurer

March BIRTHDAYS

| | | | |
|----------------|--------|----|--------|
| Diane Fisk | KD7TFK | YL | Mar 18 |
| Valerie Hannon | KF7VAL | | Mar 19 |
| Debra Griffith | N7PSU | | Mar 23 |
| Tom Newcomb | KE7XX | | Mar 24 |
| Bill Cozzoline | WO7S | | Apr 05 |

COMING EVENTS

~ ~ ~ ~ ~
 03/31/2012
 MicroHAMS Digital Conference 2012
 Location: Redmond, WA
 Type: ARRL Convention
 Sponsor: MicroHAMS Radio Club
 Website: <http://www.microhams.com/mhdc>

~ ~ ~ ~ ~
 04/14/2012
 Communications Academy 2012
 Location: Seattle, WA
 Type: ARRL Convention
 Sponsor: Western Washington Medical Services Emergency Communications Team
 Website: <http://www.commacademy.org>

~ ~ ~ ~ ~
 05/12/2012
 SCARC 21st Annual Electronic Flea Market & Hamfest
 Location: Stanwood, WA
 Type: ARRL Hamfest
 Sponsor: Stanwood-Camano Amateur Radio Club
 Website: <http://www.scarcwa.org>
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NEXT YL LUNCHEON

April 13, 2012

Oak Table
292 W. Bell - Sequim

**Find us on the web at
www.olyham.net
Check it out. Lots of
information about ham
radio in Clallam County!**

2012 YL Luncheons:

Reservations 11:30 2nd Friday of each month

- April - Oak Table - 292 W. Bell - Sequim
- May - Downriggers - 115 E. Railroad Ave. - Port Angeles
- June - Mariner - 707 E. Washington - Sequim
- July - Gordy's Pizza & Pasta - Port Angeles
- August - Tarcisios - 609 W. Washington - Sequim
- September - Sergios - 205 E. 8th - Port Angeles
- October - Fortune Star -145 E. Washington - Sequim
- November - Chestnut Cottage - 929 E. Front - Port Angeles
- December - Cedars at Dungeness 1965 Woodcock. - Sequim

| Description | Time/Date | Location | Contact |
|--|---------------------------------|---|----------------------------------|
| Clallam County ARES/RACES meeting | 7 pm, first Tue of every month | Clallam County Courthouse EOC, 223 E. 4 th St., PA | Al Dawson W7YLV 360-457-0752 |
| Clallam County Amateur Radio Club general meeting | 7 pm, second Wed of every month | Port Angeles Fire Station 5th and Laurel, PA | Chuck Jones N7BV 360-452-4672 |
| Clallam County Amateur Radio Club social breakfast | 8 am, first Sat of every month | Joshua's Restaurant Hwy. 101 & Del Guzzi Dr. | Chuck Jones N7BV 360-452-4672 |
| Clallam County Amateur Radio Club YL social lunch | 11:45 am 2d Fri of every month | Rotates - announced on Thursday night Net (See QTC Newsletter) | |

CC-ARC Welcomes new member:

C. Michael Rice, KD0NND and his wife Jean.

CLUB OFFICERS For 2012

President: Becky Winters W7RJW 360-928-0127 W7RJW@yahoo.com

Vice President: Al Popowski W7ALP 360-477-4037 alpop@wavecable.com

Secretary: Vacant

Treasurer: Ernie Griffith W7EWG 360-808-6668

Board Member (Chairman): Chuck Jones N7BV 360-452-4672 n7bv@yahoo.com

Board Member: Jeramey Johnson KF7PMC (253) 254 6225 jerameyaj@gmail.com

Board Member: Dennis Tilton AD7TV 360-452-1217 ad7tv@wavecable.com