

CLALLAM COUNTY AMATEUR RADIO CLUB

QTC
NOVEMBER 11

Heading



Club Prez..... November 2011

Halloween 2011 is now 3 days past at the writing of this page. Thanksgiving is just a few weeks away.

Our monthly club meeting is coming up on the 9th. On the agenda for this month is club officer nominations. Be thinking about who you would like to be your President, Vice President, Treasurer, Secretary and also a board member position. Also slated for Wednesday night's meeting is a presentation: Earthquake/Tsunami Issues on The Olympic Peninsula. Our guest speaker will be William Perkins-Vice President Earthquake Engineering Services at Shannon & Wilson Inc. in Seattle.

I'd also like to request articles and pictures for our upcoming newsletters from you-our members. Our Publications staff work very hard in putting the QTC together and are in great need of your input and submissions-which can be emailed to ccarcqtc@yahoo.com. I look forward to seeing you at the monthly meeting Wednesday Nov 9th, 7pm at the Port Angeles Fire Station 5th and Laurel St. and hearing you on our Thursday night net at 7pm.

Happy Thanksgiving and mobile safely out there!

W7RJW Rebecca Winters

Get Your License Here!

Our October 15th Test Session was 100% successful, in that everyone passed their first test - 4 Tech's and one General.

Two of the Technicians went on to pass their General level. So we have 2 new Technicians and 3 new Generals.

Thanks to all the work and time put in by our instructors and VE Examiners.

Chuck N7BV
ARRL VE-L

CCARC QTC Newsletter

Just a little background on the QTC.

We use ccarcqtq@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 (MSword, edit, clear, formatting) if you know how, before sending it to ccarcqtq. If you feel the creative urge to design a document—please open a design shop, but don't do it and then send it to us expecting to see your creative work transferred to the newsletter.

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,

Chuck, N7BV & Bob K6MBY



Program 11-09-11

William J. Perkins | Earthquake Engineering Group will talk about Earthquake types, sources/faults, and magnitudes that are likely to affect our area.

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!

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.

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.

Letter to the Editor,

While cleaning up the shack this weekend I ran across a November 1999 "Clallam County Amateur Radio Club Newsletter." In it were several articles but two stood out. One was from the "President's Shack" and the other "From the Editor."

The Presidents Shack editorial noted the difficulty in getting nominees (to present at the November club meeting) for President, Vice President and Secretary. The current officers were asked to extend their position till March of the following year while the board tried to figure a way of continuing the club. The issue, in the President's eye, was the aging of members and that "Clubs of every nature seem to be facing the same problem."

The Editor noted that "Computers were the wave of the future." Also that "the new members we acquire in a given year, might, if we were lucky, equal the amount of members that leave the club each year." The editor noted that the main reason given to him over the past ten years for people leaving was the club's lack of amateur radio related activities. He noted too that "The past officers that had left the club over the years, have told me the hardest thing to deal with was lack of interest or unwillingness of the members to participate when ideas were presented."

Sounds all too familiar doesn't it? Not much has changed with the club since 1999 except that computer usage has expanded; cell phones have more power than the first astronaut's had on their spaceships; and texting and social networking (Facebook, Twitter and a dozen more) have taken over and face to face conversation seems to be a lost art.

In the early days most radio people were self-taught. They read books, experimented, and build their own equipment. They were enthusiastic about what they did. They were avid (or maybe rabid) in their thirst for how and why things worked. Many of the early radio pioneers applied for patents became owners of soon to be large companies, and many became millionaires.

The frontier for today's youth (those that want to learn) does not include radio. If you look at the young millionaires of today many of them are from the cloud that surrounds the computer industry. We started with Bill Gates (Microsoft) and Steve Jobs (Apple), then Amazon, eBay, Google, Yahoo, Skype (just recently purchased by Microsoft), Dropbox and many more. The Virtual Machine business and cloud storage is burgeoning.

I guess my point is that amateur radio does not have many (if any) of the flavors that most of today's youth are interested in. The amateur radio world seem to be made up of three types. The few that still enjoy experimenting, building, learning and operating and, along with family, is their prime interest. Type two enjoys being a part of amateur radio but it is a periphery hobby with other interests that keep them busy. And type three is the person that gets into the hobby to be part of the emergency communications world and really has no interest in learning anything further about the hobby.

It is only a few of each type (primarily the type one) that keep the club going. New people will come and go but only the few will hang in year after year hoping for something to come along and save the club.

So, it seems to me, we can rock along as we are now or we can find a core group of people (the type ones probably with the type 2 and 3 joining if they have an interest) and try to figure out what the purpose of the today's club is and how to restructure and build the club to meet that purpose.

Bob Sampson
Sequim, WA

IMHO: China Handhelds

Hey, what's not to like? They're economical. You speak into them and you are on the air. It doesn't even translate your voice to Chinese. They hit the repeaters fine. I'm planning on getting one to put in the wife's car for back up use. It will have a double A battery case. The case will not be attached to the radio. Should you buy one? Let's think about this a little. Most of these radios have non-ham standard antenna connections. Adapters are needed to go to the current ham standards of BNC or SMA connectors. They're new and where can you get them fixed? Some are close copies of Japanese radios, but not interchangeable.

If you need help programming who can you turn to? If you bring it to a Club meeting and show it around they'll say that's interesting and how do you turn it on?

This is history repeating itself. Once upon a time, long, long ago, American Hams used USA made radios. I don't remember, I just have it on good authority. Then the Japanese slowly invaded the market. They took over and have the majority of today's portable and mobile market. They innovated and the massive amount of features killed most of the USA made products.

These radios first showed up on eBay and very small ads in radio magazines. You could, and can, order them from China and save a lot of money. Then some of the small dealers picked up on them and they began to sell. The cost is lower than the Japanese and in some cases much lower. More Chinese manufacturers hit the market. Now some of the big dealers have them.

What are my recommendations for late in 2011? New hams with little experience should avoid them for now. Maybe in a year or two it will be more viable. Experienced hams may want to buy them because the price is so competitive.

Bill Carter, W7WEC

The **ARRL Ten Meter Contest** on December 10-11 2011 will be the next opportunity to work some DX. In this contest everyone works everyone on either CW or SSB or Both modes. Get on, have some fun, set yourself a personal goal - like see if you can work all the east coast stations, or maybe all the continents if propagation is wide open. It is not necessary to enter the contest, but rather use it to expand your operating skills. Find rules at: <http://www.arrl.org/10-meter>

The 2011 CQ WW SSB Contest

By Bob Rouleau (KF7EFL)

For those of you who missed the contest on October 29 and 30, 2011, *you really missed out*. All the operators I contacted said it was the best conditions in 2 to 5 years. It sure was for me. The problem was not finding contacts; it was finding a clear spot in the frequency to make a CQ or wading through the pileups! The 10 meter band was absolutely amazing. Never did I imagine, I would make contacts in Brazil, Aruba, Slovenia, Russia, Japan, Germany, France, Italy etc. etc. with my equipment.

I started my ham radio experience 2 years ago. I struggled with a balky radio, stealth antennas and incomprehensible digital interfaces. Due to a medical condition, I could not take the courses. Only by having Chuck Jones (N7BV) and Dennis (AD7TV) taking me under their respective wings, I started to appreciate ham radio and DX'ing. I was introduced to a great station, N7BV, which gave me the opportunity to operate in some DX contests.

My humble station boasts an Icom 718 and a stealth trap dipole hidden in the attic. Not the best but it is mine. I know that I will never win a contest not with the "big guns" out there but that's OK. I know that by participating I hone my skills and know that I can function in a crowded band situation or a "dead" band and carry out CQ's. There is an art to everything and ham radio operation is no exception. As far as I was concerned I "won" in the CQ WW SSB contest with only 57 contacts.

As a new ham, I know that rubbing shoulders with the "moss back turtles" at the club functions is intimidating but you will never learn or get better unless you jump in and participate. It is kind of a two way street; you will get helped but you better be prepared to reciprocate. That was my attitude. For all the "putting up antenna" projects, Field Day activities and tearing down "SK" stations, I learned a lot about Ham Radio that you will never learn in books or classes. I am sure a lot of you have stations that you keep for the "just-in-case-something-happens" event. Consider that in an emergency you will have thousands of stations competing for a frequency, trying to get sit reps, food and water availability, medical help, transportation and messages in and out. Those that have the skills to deal with a crowded band and can convey information in a timely and expedient way will win out. So DX'ing is not just about scoring; it is about learning to communicate under demanding conditions in a ham radio format. Seeing and listening is better than reading, so I have included some U Tube videos for your watching and listening pleasure.

CQ WW WPX CONTEST SSB 2011
Ham Radio CQ-WW DX Contest SSB 2011 JA1YPA
CQ WW DX SSB 2011 K9CU

I obtained permission to publish an excellent article from Jamie Dupree NS3T. Here it is:

[High Bands Blow Wide Open For 2011 CQ WW SSB Contest; "Conditions Were Incredible"](#)

By [Jamie Dupree NS3T](#) radio-sport.net
Posted October 31, 2011

After years of slogging through difficult conditions on the high HF contest bands, the 2011 CQ WW SSB Contest produced especially big numbers on 10 meters in a weekend that thrilled contesters around the world.

"Conditions were incredible," said Matt Strelow KC1XX on the real 3830 just minutes after the contest ended. "It was certainly good to have the bands back," said Frank Donovan W3LPL.

"It was incredible, wasn't it?" Donovan said to KC1XX and Tim Duffy K3LR as they exchanged their numbers on Sunday night.

Despite major weather troubles on the East Coast of the United States from a surprise October snow storm which put their team on generator power for most of the weekend, KC1XX had 3810 contacts on 15 meters and 3061 QSO's on 10 meters.

Team K3LR wasn't far behind with 3473 on 15 meters and 3033 on 10 meters; but while they trailed KC1XX on those two bands, K3LR had the best Multi-Multi score in the US with 37.3 million points. (KC1XX was at 30.3 million and W3LPL at 29.5 million.)

While those 10 meter totals were impressive, it didn't take long to find a single operator who had even larger 10 meter QSO numbers, like John Crovelli W2GD, who made 3356 contacts on 10 meters from P40W in Aruba. That spurred P40W to a raw score of just over 15 million points from 7740 QSO's, 157 zones and 501 countries overall.

The evidence of big action on the high bands in CQ WW SSB was certainly clear on 10 meters, where SSB signals often filled the band up to 29.000 MHz and even above that frequency - in years past it wasn't odd to hear nothing but noise on that band.

The evidence was also clear on some of the more popular DX cluster sites, some of which seemed overloaded at times over the weekend, supporting both a larger flow of spots and a lot more hams looking for DX.

"Massive signal 59+++" was how G0WUK described the Zone 1 punch of KL7RA from Alaska.

"KL7's booming on 10 today," said F8AFC.

"Please split 1000 callers," pleaded PA0O about the pileup for another Zone 1 station, NL7Z, who at one point was going by numbers for Europe on 10 meters.

"Zone 40 Strong on Bird Feeder," said N4RJ of one European signal coming in on what might normally not be great antennas for a CQ WW test.

There were so many spots on 10 meters that by 1300z on DX Summit Sunday, the "search" function for the last 10,000 spots on that band didn't even take you back 24 hours, demonstrating once again the old saying that there's "no meters like 10 meters."

So, instead of everyone crammed into a "meat grinder" on 20 meters, hams were spread out on 20, 15 and 10 meters for the first time since the 2003 CQ WW SSB.

Check back this week for even more updates on scores from the 2011 CQ WW SSB Contest from radio-sport.net.

If you are NOT energized by all this, please let me know. As my Icom 718 burned out (probably due to the contest!) I will buy your HF equipment. See you at the next meeting and hearing you on the bands. The presentation at the next meeting is going to be fantastic! Bob R.

MORE COMMENTS ON SSB CONTEST

Wow... the last time I heard 10 meters as hot as it was this past weekend was 1958. At that time I was running an old dynamotor powered tube mobile transceiver at 20 watts AM to a mobile whip. I could sit in my driveway and talk 59 to Europe at one moment and Australia at the next. This past weekend was about the same although my equipment has been upgraded some. This year in just a little over two hours I made 43 contacts in 26 countries and 19 CQ zones. Many hams made 10 meter DXCC in one weekend.

10 meters, when it is open, does not need but 100 watts and a vertical whip to be able to talk to the world.

6 meters has been open to with several Washington hams making contact with Australian stations. (Jonny, KE7V, here in PA was one of them) These contacts were made during the last big CME when we had the big aurora display around the world.

Bob Sampson
Sequim, WA

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I have never experienced peak 10m propagation from the Northwest. Being close to the equator much of the time during my amateur radio years gave me the north south standard path which while affected by sunspots is usually there in one form or another. I operated the October 29—30 contest on all bands but limited in timeframe

High Band Summary:
Band QSOs Zones Countries

20: 152 29 58
15: 297 28 77
10: 490 29 79

A lot of fun and at times signals were coming in strong from all continents.

Chuck N7BV

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CQ WW SSB Contest.

First of all I hated to leave the chair! The bands were crowded. I set no records but had fun the whole way. Sure there were pileups on the rare DX. The contest program I use, N1MM, has a self spotting feature that's not connected to the internet. When I ran into a pileup that I couldn't bust the program leaves a spot, usually in red, that shouts you didn't log that one. I'd go on to other stations and swing by a little to try again. Many times I succeeded in making the contact. I'm a rank beginner at this but hey, you have to start somewhere. Technique is important and I learn new things every contest. I can't wait for the next one.

Bill Carter, W7WEC

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

Silent Key Garage Sale For

Bob AC7RK, JIM WA7LDM,
Ed W7VNT

November 12th 0930 to 1430
@ N7BV's
262 Birdsong Lane,
Port Angeles

Astron Power Supplies 25A
Home Brew Power Supply
Hand Helds
Built Small kit Transceivers
Many parts and Misc items

Available from

www.lulu.com/spotlight/HonoreW6IAM

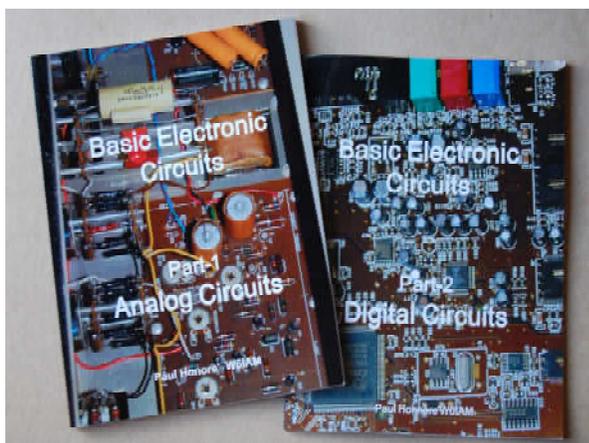
Basic Electronic Circuits,
Part-1 Analog Circuits

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>

[#24: Youth Month](#)

Amateur TV, W0EEE back on the air, and the kick off of Ham Nation Youth Month. For more of Don's videos and photos, please go to <http://ke6bxt.com/TWiT.tv/episode24/index.php>.

[#23: Leo Works The Pileup](#)

Indoor antennas, etching your own PC board, transmitting remotely from 3000 miles away, and more. N4PY Software provides the software for the Remote Mirrored Radio setup. The website is at www.n4py.com.

[#22: Boy Scouts On The Air](#)

Bob's trip to the National UK Hamfest and Lincoln Cathedral, 54th JOTA 2011, and a solder fumes extractor.

[#21: What Radio Should I Buy?](#)

Special cameo appearance by Joe Walsh! Plus National Electronics Museum, things to consider when buying a radio, building a speaker with a Dixie cup, and more.

CCARC Committees

Activities Chair: NEEDED

Education and Training: Chuck Jones N7BV

Field Day Co-Chairs: 2012 Al Fisk KD7TFK, Bob Rouleau KF7EFL

Health and Welfare Co-Chairs: Chuck Jones N7BV, Rich Golding N7NCN

Membership Chair: Becky Winters W7RJW

Net Coordinator: Steven E. Brown NL7US

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

Public Relations Chair: Nita Lyman, KE7DRT

Publications (Newsletter): Bob Sampson K6MBY, Chuck Jones N7BV

Technical Chairs: Bob Sampson, K6MBY

Web Site Administrator: Rik Scairpon WX7RIK

CLALLAM COUNTY AMATEUR RADIO CLUB Minutes of the General Meeting 12 October 2011

The meeting was called to order at 1900 by Club President Becky, W7RJW. Twenty two people attended the meeting. We met at the Port Angeles Fire Station. First there was the Pledge of Allegiance. Then there were self introductions around the room.

General Announcements: None

Presentation: A recorded video of Leo Laporte (W6TWT) working a 20M pileup. Leo is a radio and TV personality who specializes on computers and technology. He is the owner of a recording studio that prepares TV shows and podcasts. Leo is a brand new ham and this was his first use of HF radio. This recording was taken from the podcast "Ham Nation" number 18 on TWIT.TV web broadcast.

Next was a recorded video interview with Martin Jue, K5FLU, the owner of MFJ Enterprises. This recording was taken from "Ham Nation" number 19 on TWIT.TV web broadcast.

The full Podcasts are available for viewing at,

<http://twit.tv/show/ham-nation>

A high speed internet connection is required.

Break: 2000

Business Meeting: Called to order at 2010

Minutes of last Club meeting were approved as published in the September QTC.

Officer reports:

President: Becky. Next month's business meeting will include nominations for Club Officers and one Board position.

Vice-President: Absent.

Secretary: None.

Treasurer: We started the month with \$8538.77 in checking. The Club purchased an enclosed trailer for \$2000, associated keys and registration. We also purchased stamps, and course books which will be reimbursed by trainees. The final balance is \$6052.79

Chairman of the Board: None

Repeater Trustee: Absent

Committee Reports:

Activities: Callie mentioned we still need a new Chairperson. There are upcoming events such as the Christmas party and field day that need to be planned. There is also the "final" summer picnic with the Canadians that needs to be coordinated.

Pub Relations: Absent.

Publications: Chuck, N7BV mentioned we still need articles for the QTC, Ernie W7EWG mentioned that the List of Birthdays in the data base file is messed up and needs to be redone.

Membership: Becky said no new news. Ernie and Becky talked about an updated membership form that will be prepared and distributed in January. The forms they have are very old, some are missing, and they need updating. They'll have one for distribution at the January meeting.

Health and Welfare: Becky reports that Bill Johnston K7WZ is still recovering from major heart surgery. He can be visited at the Sequim Rehab center and it looks like he has about a month to go. A non-Club member also became a SK, Jerry Bevan, K3SWH of Port Angeles.

Technical: Kirk KD7CFD expressed the idea that we have some technical meetings about small kit building and home brewing in general. This would mainly be for the "Newbee's" in the Club.

Field Day. Bob mentioned that we need to do a night time noise checks at all new field day site candidates. There was a general discussion about public visibility and security.

Net: Bill, W7WEC asked about how much interest there was in Echolink and whether the club should con-

tinue to support it. The answer was a resounding – Yes.

Education and Training: Chuck reported that the recent class and exams was very successful. All passed. Five new technicians of which two went on to pass their general exams. One ham took their General and passed. Chuck said he hopes they enjoy their free Club membership for the rest of the year. He also mentioned that the Course/Exam team needs more VE's.

Web site Administrator: Absent. Bob mentioned that Rik has put a usage counter on the Club's Web page. See the small block at the very bottom of the home page at WWW.OLYHAM.NET.

Old Business: Janet gave Chuck, N7BV huge kudos for the Salmon run at his contest station. This contest is the Washington State QSO Party and uses CW, SSB, and RTTY. This year the station was the W7DX bonus station and there were exceptional operators from the Western Washington DX Club. Janet said there were exceptional operators, great station, great food, and propagation to help with the contacts.

Bob, KF7EFL reported that he talked with Johan KO6I about a cleanup day. This would be some payback for the use of his shop for meetings and training. Johan liked the idea.

New Business: None.

2058: The motion was made and approved to adjourn the meeting.

Bill Carter, W7WEC
Secretary, CCARC

Thought you might find this interesting.

Doug (wb4kgy)

HERE'S A BLAST FROM THE PAST!

Watch this

http://www.southgatearc.org/news/october2011/vintage_film_the_world_of_amateur_radio.htm?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A+AmateurRadioNews+%28Southgate+Amateur+Radio+News%29

Copy and past all of the above in your Internet Explorer.

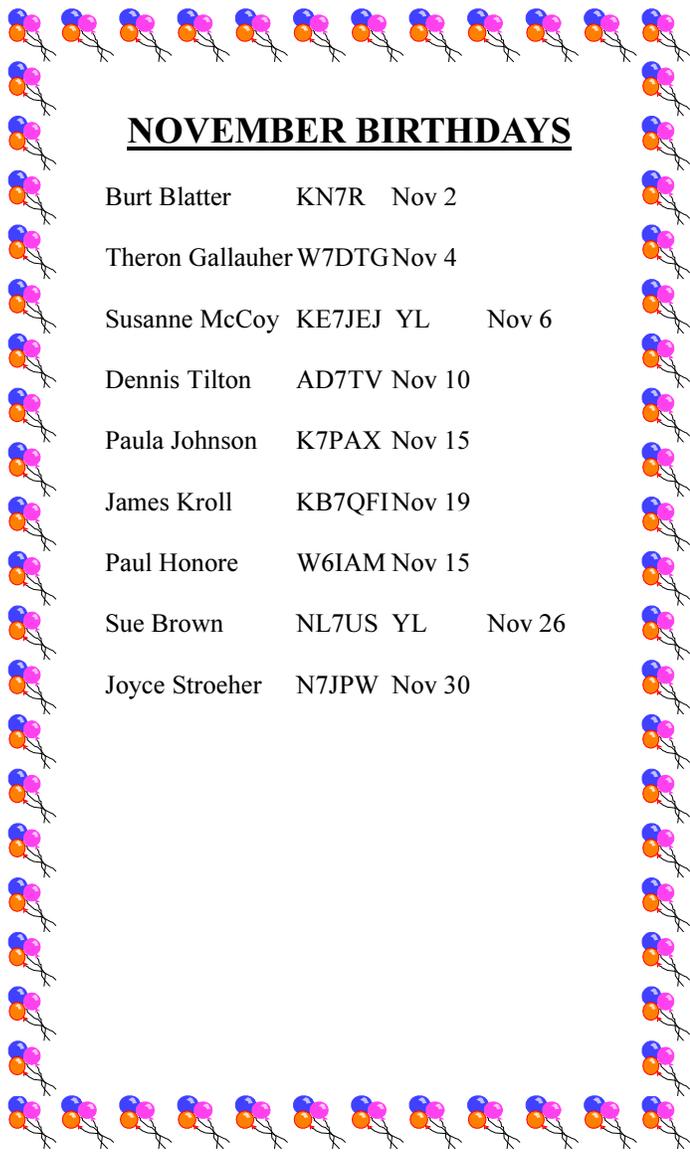
FROM OUR TREASURER

As of Oct 31 , 2011:

First Federal Savings & Loan of Port Angeles Balance:	\$ 6427.64
Outstanding Cheques:	\$81.34
Checkbook Balance:	\$ 6346.30

Thanks,

Ernie Griffith
 W7EWG
 CC-ARC Treasurer



NOVEMBER BIRTHDAYS

- Burt Blatter KN7R Nov 2
- Theron Gallauher W7DTG Nov 4
- Susanne McCoy KE7JEJ YL Nov 6
- Dennis Tilton AD7TV Nov 10
- Paula Johnson K7PAX Nov 15
- James Kroll KB7QFI Nov 19
- Paul Honore W6IAM Nov 15
- Sue Brown NL7US YL Nov 26
- Joyce Stroehler N7JPW Nov 30

COMING EVENTS

- ~ ~ ~ ~ ~
- 3/10/2012 | Mike & Key ARC Electronics Show**
Location: Puyallup, WA
Type: ARRL Hamfest
Sponsor: Mike & Key ARC
Website: <http://www.mikeandkey.org/flea.htm>
- ~ ~ ~ ~ ~
- 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>
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NEXT YL LUNCHEON

November 11th

Chestnut Cottage
929 E. Front - Port Angeles

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

2011 - CCARC Ladies Luncheon Schedule

Reservations are made for 11:30 - 2nd Friday of each month

December - Stymie's @ Cedars at Dungeness - 1965 Woodcock Rd. - 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)	

Welcome new members to CC-ARC:

None

CLUB OFFICERS For 2011

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

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

Secretary: Bill Carter W7WEC 360-6814375 w7wec@arrl.net

Treasurer: Ernie Griffith W7EWG 360-808-6668

Board Member (Chairman): Al Dawson W7YLV 360-457-0752 adawson@tfn.com

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

Board Member: Rik Scairpon WX7RIK 360-683-5625 WX7RIK@pobox.com