

CLALLAM COUNTY AMATEUR RADIO CLUB

QTC
JANUARY 08

N7BV Rambles:

As we enter the New Year I hope everyone had a great holiday season. Christmas day was picking up two of our grand children and having them visit with until Saturday the 29th. Then later Saturday Karen and I picked up a four month old, mainly Yellow Labrador from the Humane Society. This is the first dog either of us has had in over 20 years. His training of us is progressing slow but steady. It seemed like life was side ways before, but now it is upside down!

See the blurb else where in this issue about some solid evidence that the new sunspot cycle has started – yea!!

At the December meeting elections went smoothly. See the meeting minutes for the complete results. Last year Bob, K6MBY and I set our sights on having the Bylaws updated, having more social interaction at our meetings; also the usual, having a good Field Day, a good Christmas Party, good meetings etc. Thanks to everyone who helped meet these goals and made 2007 a good year for the club.

This year we must look at what needs updating or upgrading in our repeater system. We also have the VE7's coming over for the annual get together. If you have any ideas or suggestions, please forward them by Email to any board member.

As most of you know Dan Abbott replaced me as the ARES (Amateur Radio Emergency Service) Emergency Coordinator for Clallam County. Continuing Bob's and my wish for more co-operation between ARES and the club, we have added a page for ARES in the QTC and turned over the idea of a raffle to ARES. The raffle idea was something Bob picked up last summer from a Texas club. As ARES has no way of making money, Bob thought the raffle would be a winner for everyone plus help ARES get started on a county wide WINLINK system.

Tickets will go on sale at this months ARES and CCARC meetings.

Thanks for the space. 73, Chuck

Get Your License Here!

The Clallam County Amateur Radio Club will hold an open exam for all levels of Ham licensing on January 19th at 1pm at the PA fire station on 5th & Laurel.

Ham radio operators are a vital part of our county's emergency response plan and we hope to encourage anyone interested in taking the test to do so at this opportunity.

Please spread the word to anyone of interest.

Thanks!

Contact: Chuck Jones, 452-4672 or Tom Newcomb 452-8228

EXTRA EXTRA READ ALL ABOUT IT

The Extra class (Element 4) will be released December 1, 2007 and will become effective July 1, 2008.

The current Extra Pool will now be valid until June 30, 2008.

Guess What! It's dues time again. The By-laws call for dues to be paid in the first quarter of the year.

To support our club and our repeater we need to stay current with our dues. See David McCoy at a meeting or mail a check for \$20.00, made out to CCARC, to: PO Box 2562 Sequim, WA 98382

PROGRAM FOR 10 January 08

TBD

Our committee is still working on a program for January.

We need articles for the QTC newsletter. This is after all 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 the better our newsletter will be.

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.

Our technical language -- a rich heritage

As with all professions, the electrical and electronic industries have their special language. Ours seems rather peculiar, riddled as it is with strange sounding names. We tend to bandy them about as if we understand them. Maybe we do. At least some are recognizable -- like the unit of power, the **Watt**, for James Watt, who's 'law' it is named after, and the **Volt**, for Alessandro Volta, inventor of the 'electric pile', or battery, as we know it. Others are more obscure but most are named after electrical pioneers and inventors who populated the 18th and 19th centuries and who we can thank for our ability to communicate by Radio. Here are some common units of electrical measurement and the geniuses behind them:

UNIT	MEASUREMENT	DISCOVERER	COUNTRY
Ampere	Current	Andre' Ampere 1775 -1836	France
Bel	Relative power	Alexander Bell 1847 - 1922	Scotland
Coulomb	Electrostatic force	Charles Coulomb 1736 -1806	France
Farad	Capacitance	Michael Faraday 1791-1867	England
(Daraf)	Elastance	(<i>Reciprocal of Farad</i>)	
Gauss	Magnetic field	Carl Gauss 1777 -1835	Germany
Gilbert	Magnetic field	William Gilbert 1544 -1603	England
Henry	Inductance	Joseph Henry 1737 -1878	U.S.A.
Hertz	Frequency	Heinrich Hertz 1857-1894	Germany
Joule	Work/energy	James Joule 1818 -1889	England
--	Kirchoff's Laws	Gustav Kirchoff 1824 -1887	Prussia
Maxwell	Magnetic Field	James Maxwell 11831 -1879	Scotland
Newton	Force	Isaac Newton 1643 -1727	England
--	Norton's Theorem	Edward Norton 1898 - 1983	U.S.A.
Oersted	Magnetic Field	Hans Oersted 1775 -1951	Denmark
Ohm	Resistance	Georg Ohm 1787 -1854	Germany
(Mho)	Conductance	(<i>Reciprocal of Ohm</i>)	
--	Thevenin's Theorem	Leon Thevenin 1857 - 1926	France
Volt	Electrical potential	Alessandro Volta 1745 -1827	Italy
Watt	Power	James Watt 1736 -1819	Scotland
Weber	Magnetic field	Wilhelm Weber 1804 - 1891	Germany

As you can see, many of these terms are quite old and originated in the fertile minds of many cultures, all of them inquisitive about the world around them and eager to learn the why behind the what. Engineers, Physicists, Alchemists, call them what you may, the individuals represented are Renaissance men in the truest sense of the word. Many came from humble beginnings and struggled hard to survive. Some became noted chemists; physicists; teachers. Others were experimenters and tinkers. All, however, shared an inquisitiveness that would not let a matter go until it resolved itself in a mathematical certainty.

James Watt, for instance, was primarily interested in improving the efficiency of the steam engine but found his experiments had application to the new field of electrical generation. Georg Ohm made most of his discoveries while teaching at a technical high school in Cologne. William Gilbert was physician to Queen Elizabeth the 1st but his experiments with magnetism left us with

a legacy on which to build our understanding of alternating current. Joseph Henry's experiments with electromagnets forged the groundwork for the development of the DC motor and the telegraph. Besides managing the English mint, Isaac Newton found time to experiment with optics and chemistry; theorize the nature of gravity and applied force and, almost as an afterthought, invent the calculus. Heinrich Hertz anticipated Einstein with his postulation that light is electro-magnetic in nature.

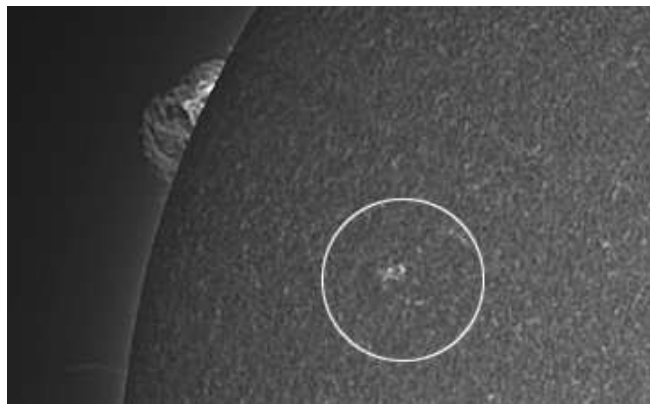
With few exceptions, all we know about magnetism and electricity can be credited to these men, who, working within the limited means and the accumulated knowledge of their time, often at odds with the establishment and at great personal risk, gave us a rich heritage on which to build. So, whether you are an engineer, a kit builder, an experimenter, or you just like to use your HT to talk with your friends, give a tip of the chapeau to the pioneering giants on whose shoulders we stand with our chosen hobby.

For club members and others who would like to know more about what goes on inside those mysterious boxes with all the knobs and dials on them, I'll be initiating a course in basic electronics soon - time and place to be decided. I'll deal mostly with analog circuits as I'm not all that comfortable with digital stuff. For that, and anything involving advanced mathematics, I'll turn the discussion over to someone with more credibility than I possess. Everything I know, I learned in kindergarten. Over the years, I've taught many subjects but this will be a first for me and something of a personal odyssey. I promise to keep it simple and entertaining. For those of you who are too far afield to attend a hands-on course, I'll supply topical distillations in future issues of QTC.

Paul Honore' W6IAM

FROM: <http://www.spaceweather.com/>

SOLAR CYCLE 24 BEGINS: Solar physicists have been waiting for the appearance of a reversed-polarity sunspot to signal the start of the next solar cycle. The wait is over. On Jan. 4th, a magnetically reversed sunspot emerged at solar latitude 30 N, shown in this photo



taken by Greg Piepol of Rockville, Maryland: For reasons explained in a recent Science@NASA story, this marks the beginning of Solar Cycle 24 and the first step toward a new solar maximum. Intense solar activity won't begin right away. Solar cycles usually take a few years to build from solar minimum (where we are now) to Solar Max (expected in 2011 or 2012). It's a slow journey, but we're on our way!

COMING EVENTS

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 March 8th 2008  
 Electronic Show and  
 Flea Market at the  
 Puyallup Fairgrounds  
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ARES/RACES

Chuck has asked me to write a Bio for the news letter in order to introduce myself to the group. I have thought of where I should start and as is always the case the beginning is the best place, so here goes:

I was born in Hayward California on March 9th, 1948, the family moved to Irvington, CA shortly there after, which is where my memory begins. I graduated from South Lake Tahoe High School, CA in June of 1966. Then entered the US Marine Corps in July the same year, where I spent 20 yrs + retiring in January 1987. While in the Corps I had several Military Occupational Skills [MOS'S] 0311- Infantry, 5711- Nuclear, Biological and Chemical Warfare/Defense Specialists, mostly spending my time working in the NUC and Bio fields as well as maintaining liaison with the civilian side of the house where ever I was stationed. Help write the disaster plans for Barstow, CA and Honolulu, HI. My 3rd MOS was 8512- Recruiter/Instructor, which I plied my trade recruiting young men and women for the officer programs. During my time on watch at the wall I served or trained or fought in many locations around the world. To include MCRD San Diego CA, - Camp Pendleton, CA, - El Toro, CA, - Camp Le June NC, - Barstow CA, - Camp Butler, Okinawa, Japan, - Camp Hansen, Okinawa, Japan- China Lakes, CA- Viet Nam. After retiring I received a degree in Electronics Engineering working for places like FRS in CA doing R&D on LCD'S for lap tops and surface mount technology. Worked at Rancho Seco, Nuclear Power Plant, CA, as a tech working on the systems in the control room and reactor area. I have also worked as a manager for Denny's and Radio Shack, Bi-Mart supporting goods department. Finally, fully retired again from US Cellular as their Sales Manager for Southern Washington and Northern Oregon. Moved to Sequim with my wife of ten years, Wendy in 2001. I volunteer most of my time to the Marine Corps

League and ARES/RACES and Toys for Tots.

I look forward to serving with you in our endeavors to keep the families of Clallam County Safe. Dan Abbott CCEC

Clallam County Amateur Radio Emergency Service (CCARES)

The Clallam County ARES is organized in two levels; as an affiliate of ARRL/ARES and as the recognized RACES organization by the Clallam County Division of Emergency Management. Membership in CCARES is open to all licensed Amateur Radio Operators that are residents of Clallam County, who first register with ARRL/ARES through the Emergency Coordinator. They are not required to attend training meetings and function as a second response unit in emergencies.

CCARES members in good standing may register in the RACES program with the Clallam County Division of Emergency Management (CCEM) and serve as a primary responder during emergencies. RACES members are the core of the organization and are expected to attend training meetings and participate in drills and other events.

Clallam County ARES/RACES

Clallam County ARES/RACES is actively seeking new members and would like you to consider joining. This is a chance to prepare to be part of a solution during an emergency.

January and February meetings are being used to re-register members under a new ID system with the County Emergency Management office.

All RACES members will be required to pass the FEMA/NIMS training IS-100 and IS-700. These courses are free and have been mandated by Homeland Security. They are available on-line at <http://training.fema.gov/EMIWeb/is/>.

Dan Abbott, N7DWA, EC Clallam County

CLALLAM COUNTY AMATEUR RADIO CLUB

Minutes of the General Meeting December 12, 2007

The meeting was called to order at 7:00 P.M. by club president, Chuck, N7BV.

The Pledge of Allegiance was given.

Introductions were made around the room.

Tom KE7XX, as Chairman of the Board of Directors, presented a Certificate of Appreciation to Frank KJ7SK for his dedicated service to the club. Chuck N7BV had announced at the club party that a Certificate of Appreciation was to be sent to Pris W7PRS and Roger W7GRS for their service to the club, and Chuck showed the mug that will be sent to them as a token of appreciation.

Dennis WA6QWK was asked to report on the suitability of Salt Creek Park as a Field Day site. After some discussion, it was concluded that it probably wouldn't work, due to Park restrictions. However, we are scheduled to be at the County Fairgrounds for Field Day this year.

The Puyallup Flea Market is March 8th.

The time was turned over to Mike KE7EZO to conduct election of officers.

For office of President, Chuck N7BV had been nominated at the November meeting and Mike asked for any further nominations. There were none. Then it was moved that nominations for President be closed. The motion was seconded. The motion carried.

For office of Vice-president, Bob K6MBY had been nominated at the November meeting. Mike called for any further nominations. There were none. It was moved that nominations for Vice-president be closed. Seconded, and carried.

For office of Secretary, Rich N7NCN had been nominated at the November meeting. Mike called for any further nominations. There were none. It was moved that nominations for Secretary be closed. Seconded and carried.

For office of Treasurer, David KE7JEJ had been nominated at the November meeting. Mike called for further nominations. There were none. It was moved that nominations for Treasurer be closed. Seconded and carried.

Based on membership approval, the Board of Di-

rectors is as follows: Tom KE7XX is the senior member, and will preside. Bob AC7RK is second in line, and Bill W7WEC is the newest member of the Board.

The above members will serve as club officers and directors for 2008.

Chuck N7BV mentioned that Paul W6IAM has an article published in the Prescott AZ club newsletter.

It was noted that all ARES members except ten are also CCARC members, and the question was raised about opening the club's newsletter to input from "ARES only" folks, and having some form of distribution to them.

In discussion, it was felt that there should be no expense to the club, and there should not be any mixing of the organization rosters. It was moved that "ARES only" folks be allowed to submit information and articles to the club newsletter "QTC" and that the newsletter be directed to someone in ARES for non-club distribution. Motion seconded and carried.

Chuck advised that we need to think about upgrading the club repeater, and that the repeater committee is working on it. Also, there is a need to get control of the Club's website. Matt KC7EQO will take action to see what changes we can effect at this time.

John K7NIA told about Skywarn Spotter activity during the recent storm.

Moved, seconded and carried, to adjourn the meeting. The meeting was adjourned at 8:00 P.M.

There were 26 in attendance.

Minutes by Rich N7NCN

Guys and Gals,

I'll be down in Raymond and Naselle in Pacific County surveying storm damage to our wireless broadband network. I'll be taking pictures and will publish them at www.kc7hir.com when I get back. Take care. Myrtle and I wish you all a Blessed Christmas and a Joyful Happy New Year. (It's got to be better!)

73's
Bob Pensworth
kc7hir

Hi,

2007 is over, as far as CCARC's weekly Net checkin is concerned. Here is my report:

Congratulations to those who made every checkin this month. They are:

N7BV Chuck **
 KE7DRT Nita ** (excused)
 W6IAM Paul
 AC7IY Mary
 KE7KWG Becky
 WA7LDM Jim
 K5MTW Don **
 K7NIA John **
 KC7NPP Theron
 WX7RIK Rik

The double asterisks behind four of the names signifies those persons who checked in 100% for the entire year! Your diligence is admirable. Well Done!

Thanks to all who are checking in. C'mon the rest of you...join us.

73, and Happy New Year to all!

John K7NIA Net Control Coordinator

FOR SALE OR TRADE

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I am looking for work on weekends and after school (2:30) to make money to pay for my Drivers Ed. I can be reached at (360)452-6614 or ke7lka@yahoo.com Thanks, Jody

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2m/440 dual band J-pole antenna. Excellent antenna and price \$20. Similar to <http://arrow-antenna.com/j-pole.html> Made by KN7R. Proceeds for ARES. Chuck, N7BV

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### FROM OUR TREASURER:

As of December 31<sup>st</sup>, 2007, the balance in the CC-ARC Account at First Federal Savings & Loan of Port Angeles is \$2,301.68.

*David R. McCoy,*

KE7JEJ -.-. .... -.-. ....

CC-ARC Treasurer

### January BIRTHDAYS:

|                 |        |        |
|-----------------|--------|--------|
| Barello, Bess   | KC7NMN | Jan-02 |
| Coulter, James  | K7QCK  | Jan-07 |
| Mitchell, "Bud" | W7HKF  | Jan-14 |
| Parris, Janet   | WA7JEP | Jan-15 |
| Harty, Carol    | KE7OMR | Jan-16 |
| Bevan, Gerald   | K3SWH  | Jan-22 |
| Moore, John H   | K7NIA  | Jan-23 |
| Hubley, Donna   | KE7DJH | Jan-27 |

*Happy Birthday!*

**YL LUNCHEON**

11 January  
Fiesta Jalisco  
636 E Front  
Port Angeles  
Time: 11:30 a.m.

**Find us on the web at  
[www.olyham.com](http://www.olyham.com)  
Check it out. Lots of  
information about ham radio  
in Clallam County!**

**2008 - CCARC Ladies Luncheon Schedule**  
**Reservations are made for 11:30 – 2<sup>nd</sup> Friday of each month**

February – Old Mill Café – 721 Carlsborg Rd. – Carlsborg  
March – Gordy's Pasta and Pizza – 1123 E. 1<sup>st</sup> – Port Angeles  
April – Oak Table – 292 W. Bell – Sequim  
May – Downriggers – 115 E. Railroad Ave. – Port Angeles  
June – Danny's - JC Penny Plaza – Next to Police Sta. – Sequim  
July – Michaels – 117 – 1<sup>st</sup> St. – Port Angeles  
August – Tarcisios – 609 W. Washington – Sequim  
September – Sergios – 205 E. 8<sup>th</sup> – Port Angeles  
October – Fortune Star – 145 E. Washington - Sequim  
November – Chestnut Cottage – 929 E. Front – Port Angeles  
December – Paradise – 703 S. Sequim Ave. - Sequim

| Description                                        | Time/Date                       | Location                                                          | Contact                           |
|----------------------------------------------------|---------------------------------|-------------------------------------------------------------------|-----------------------------------|
| Clallam County ARES/RACES meeting                  | 7 pm, first Tue of every month  | Clallam County Courthouse EOC,<br>223 E. 4 <sup>th</sup> St., PA  | Chuck Jones N7BV<br>360-452-4672  |
| Clallam County Amateur Radio Club general meeting  | 7 pm, second Wed of every month | Port Angeles Fire Station<br>5 <sup>th</sup> & Laurel Streets, PA | Tom Newcomb KE7XX<br>360-452-8228 |
| Clallam County Amateur Radio Club social breakfast | 8 am, first Sat of every month  | Joshua's Restaurant<br>Hwy. 101 & Del Guzzi Dr.                   | Tom Newcomb KE7XX<br>360-452-8228 |
| Clallam County Amateur Radio Club YL social lunch  | 11:45 am 2d Fri of every month  | Rotates - announced on Thursday<br>night Net                      |                                   |

## **CLUB OFFICERS For 2008**

**President:** Chuck Jones N7BV      360-452-4672      n7bv@yahoo.com  
**Vice President:** Bob Sampson K6MBY      360-582-9116      k6mby@olypen.com  
**Secretary:** Rich Golding N7NCN      360-683-9309      n7ncn@myfam.com  
**Treasurer:** David McCoy, KE7JEJ      360-461-5470      mccoy.d.r@olypen.com  
**Chairman of the Board:** Tom Newcomb      360-452-8228      ke7xx@arri.net  
**Board Member:** Bob Kennedy AC7RK      360-457-6177      ark@tenforward.com  
**Board Member:** Bill Carter W7WEC      360-681-4375      bcarter@olypen.com