

CLALLAM COUNTY
AMATEUR RADIO
CLUB

QTC
FEBRUARY 14

AMATEUR RADIO LICENSE CLASS

Date: April 5, 12, and 19

Time: 0900 to 1700

PA Fire Department 5th and Laurel Street

EXAM: April 19, 2014 at 1300

Anyone interested in earning their entry level, (Technician class) Amateur radio license or the Intermediate level (General Class) is invited to attend three classes on successive Saturdays, starting Saturday, April 5, 12, 19, in the training room at Port Angeles Fire Department 5th and Laurel Street. The classes will run from 0900 to 1700 with an hour off for lunch. April 19 is a class/review in the morning. The examination session is at 1300L.

Candidates will learn Rules and Regulations, Basic Electronics, How to Operate, and Radio Frequency Safety.

There is no cost for the class, which is presented by volunteers from Clallam County Amateur Radio Club. Candi-



dates must purchase an American Radio Relay League Technician or General License Manual at a cost of \$29.95 each. Direct at <http://www.arrl.org/arrl-store/> These manuals are also available from Dennis Tilton, who may be reached at 360-452-1217. (Save on shipping costs.)

The exam session cost is \$15.00 for processing.

Those earning their FCC license will be allowed to communicate with other hams world wide, and to participate in the Amateur Radio Emergency Services locally.

For more information, or to register for the class, call Chuck Jones, N7BV, at 452-4672 or Dennis Tilton AD7TV, at 452-1217.



Get Your License Here!

The next scheduled Technician & General Classes are on April 5, 12, 19. The accompanying Exam session is 1300 on the 19th.

See the front page for details.

Chuck N7BV
ARRL VE-L

February Program

What you need in your grab and go bag for emergencies or to help out in an emergency.

Presentation by Nita KE7DRT

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!

Did you put up a new antenna, buy a new radio? Tell us about it.

Did you try a new mode again tell us about it.

The more you submit the less blank space we will have!

Thanks, the staff!

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 sent 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 ccarcqtq. 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,

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.

Due to ill health, KE7JEJ, D. R. McCoy is selling the following equipment.

1. **Kenwood TM-D710A** - 144/440MHz FM DUAL BANDER (Purchased March 2008, Firmware Updates from May, 2011): \$500.00
2. **Kenwood TH-D7A(G)** - FM dual-band (144MHz/440MHz) Handheld Transceiver (Purchased - April, 2007) \$200.00
3. **TravelPlus for Repeaters**, V. 16, 2012-2013 a CD plus Pocket Repeater Directory \$10.00
4. **Alinco DM-330MVT** Switched 30 Amp Power Supply (Purchased June 2009) \$100.00
5. **Diamond MR77SMA 2M/440 Mag-Mount Antenna** for HT (April, 2007): \$25.00
6. **Easy-Up Antenna Mount – EZ-31** Eave/Vent Mount, Heavy Duty Adjustable Eave Mount zinc clear coat, adjusts 45” – 60”D (June, 2009) Dw/Diamond Dualband Base/Repeater Antenna X50NA 2M/440 x50 w/N Connector (June, 2009) + 10’ / 40’ LMR-400 Flexible Low Loss Communications Coax. \$150.00
7. **MFJ-4603 Window Feed Through Panel N/F/Twin Lead** (June, 2009): MFJ's exclusive Adaptive Cable Feedthru™ \$50.00

Please contact Chuck N7BV at n7bv@yahoo.com or 360-452-4672

Reasonable offers considered.

FOR SALE or TRADE

FOR SALE:

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Kenwood SM-230 station monitor/O-scope w/ manual. Like new condition in original box. \$375.00



Kenwood TW-400A 2m/440 “FM Dual Bander.” Never mobiled, in excellent condition. In original box, \$175.00.

Bruce Thompson W7DNA. . . [bgt@olyphen.com](mailto:bgt@olyphen.com) or call at 457-6134.

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Your Ad Could Have Gone Here

W7FEL de K7PAX pse kn

NAME: Paula QTH:Port Angeles LOCATOR: CN88gc CLUBS: CCARC, PODXS 070 #1739

Member ARRL Preferred QSL via EQSL.cc (AG) - QRZ.COM, LoTW or direct OK too.

BIO: My first recollection of interest in radio was shortwave listening with my brother in the attic of a neighbor boy. He had an old Hallicrafters shortwave radio. I was intrigued hearing mysterious conversations in foreign languages being sent halfway across the world. I think I was about 8 or 9 years old at the time.

Advance a few years to seventh grade science class. We had to do a science project, and I chose to build a crystal radio set. There was some soldering involved, but I had a good teacher (my dad) who coached me, and I produced my project. I did such a good job the teacher accused me of cheating by having someone else do the soldering! Unfair as that was, it gave me a perverse sense of satisfaction. Growing up as the only girl in the family with three brothers, it never crossed my mind to think "I can't do that because I'm a girl."

Those seeds of interest lay dormant while I grew up, got married, raised a family, and all the other stuff that goes along with that. Then, about 23 years ago, at age 37, I entered the workforce and quickly realized I had great aptitude for technology. I got a job in the IT field, working my way up through technician and management positions, and currently hold the position of Information Security Officer for a local community bank.

Part of my job involves business continuity, disaster recovery, and crisis management, bringing with it awareness for the need to be personally prepared for emergencies. When I discovered the role that ham radio plays in emergency communications, I felt a distant stirring – it was the memory of that shortwave receiver in my neighbor's attic – and I was immediately eager to take on that role for our family.

I passed my technician exam in April of 2010, receiving the callsign KF7JQQ. Remembering the lure of contact with faraway places, I immediately wanted access to the HF bands. I was going to need a general ticket. So I began studying in earnest for that, and passed it just three weeks after my original license grant hit the FCC database. I applied for a vanity call, and was granted K7PAX in May of 2010.

I joined CCARC, and at one of those meetings, I got a brief look at digital mode operation. I think it was a presentation by Dennis Tilton AD7TV, showing a multi-function station setup for field day. Well now, that got my attention, - radio and computer working together!

I operated on Hamsphere (a software amateur radio simulator that allows licensed radio amateurs and unlicensed enthusiasts to communicate with one another using a simulated ionosphere) while researching ham radio gear. I sold one of my sea kayaks, so I had a fair budget to devote to a rig. Then the fun began. What to buy? Didn't want to buy something I would outgrow in a season or two, and I wanted it to function either mobile or as a base station.

After a lot of research, I decided on an IC-7000 paired up with two Diamond antennas - a CP-6AR Multiband trapped vertical for 6-80 meters, and an X-30a for VHF/UHF. Rounded out with an LDG AT-100 Autotuner, Powerwerx SS-30 switching power supply, and a Signalink USB interface, I was ready to go. With some advice from my Elmer and family friend Jim Cornell WF7W, my husband Craig got my antennas mounted and I was ready to roll.

Suffering from mike fright, I got busy on PSK31. After getting signed up on a few logging sites - ARRL's LoTW, eQSL.cc, and QRZ.com, I decided Eqsl.cc was my preferred logging method, so I started working on some of their award programs. I achieved eWAS in January of 2011, (having worked all 50 states) and then the excitement faded for a while when my career, grandkids, and life in general absorbed all my time and interest. I made a few sporadic contacts over the next two years, but let my CCARC membership lapse.

I was sort of stagnant until my Elmer joined us for dinner at our son's home one night this past summer, and teasingly asked me "have you gotten your Extra yet?" When I replied in the negative, he said "Well, what's taking you so long?" Not one to ignore a challenge, I took the bait, and began studying, passing the Extra exam four weeks later. Needless to say, I was ecstatic. No more testing! Then as I was congratulated and leaving the testing session, the VEC said "now there's just one more test to take." He was referring to the VE test and application process. I went ahead with that as well, (it is an open book test and can be submitted via email) and am awaiting receipt of my credentials. This will give me an opportunity to give something back to the hobby by becoming a volunteer examiner.

With renewed vigor, I continued working on my e-Awards. I completed the first level of eDX on December 1, 2013 by contacting 25 DX entities. I am now working towards 50, and am currently sitting at 31 confirmed – all on 20 meters PSK31. I just worked YV5CWM in Venezuela yesterday. One of my more prized contacts was UA7TB in Kazakhstan – talk about remote! Here are some of my contacts as viewed in Google Earth.



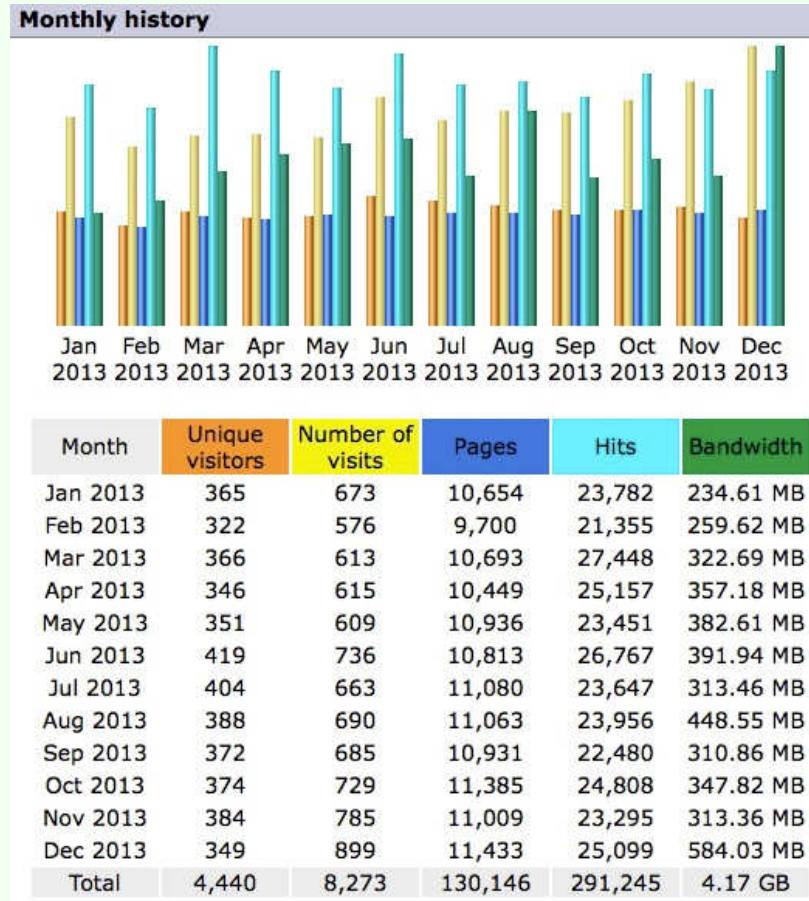
I rejoined CCARC in November and look forward to lots of fun. So what's next, you ask? Well, I had never operated RTTY before, but Chuck, N7BV invited me to his station to observe the RTTY Roundup in early January, so I went up in the morning, got a tour of the shack and a RTTY orientation before the contest started. I hung around for about an hour to see how things were done. Although I don't think hard-core contesting is my cup of tea, (at least not until I get a 50ft tower – hi hi) I do enjoy a challenge (in case you didn't notice) so I came home, got my rig and software configured for RTTY, tuned around until I found his station calling CQ on 15 meters, and got a contact in his log, along with a few others that day. It was fun. Even with my modest vertical antenna. Maybe I'll be able to get more of those rare dx stations using my newly learned mode. Oh, and I want a wire antenna for 160 meters . . .

But most of all, the kid in me still wants the prized 'secret decoder ring' - I want to learn CW. Besides, I think it is important to honor the legacy of the ham radio hobby by carrying on time-honored traditions and keeping skills alive. Practice started a few weeks ago using "Just Learn Morse Code" on my PC. I have learned 24 characters of the 42-character set using the Koch method with Farnsworth timing (character timing = 18, with the word per minute timing at 8.) I haven't practiced for a few days now due to my shoulder surgery, but will be back at it by the time this goes to publication. I am taking four weeks off work, so I should be able to complete all 42 characters by the time I have to go back February 10th. Now I will be looking for some practice buddies. Any takers? pse k

73, W7FEL, de K7PAX sk sk

Our website – olyham.net – by Rik Scairpon, WX7RIK

This past year has seen an impressive amount of traffic on our web site:



That is almost 300K, but guess what? That is actually less than the past few years. WX7RIK redesigned the Club web site in mid-2010, and that is when we started gathering statistics. So here is the history on our hit count:

- 2010 – 120K (July through December)
- 2011 – 301K
- 2012 – 297K
- 2013 – 291K

Here are a few other interesting factoids:

- 45% of the visitors are running Windows OS, but a whopping 40% are running Linux!
- The most downloaded file is CTSS Secrets.pdf (3,600 times)
- The second most downloaded file was Scanner_Frequency_List1 (1,100 times)
- No surprise the biggest referrer was Google, Bing wasn't even a close second – [Baidu](#) was second (huh?)

The sad thing is that 80% of our site visitors spend less than thirty seconds on our site. So the lesson here is that we need to keep it fresh! As your web administrator, I can only put up the information that you, the Club membership supply. I cannot make this stuff up! So keep those cards and letters coming in, folks: wx7rik@pobox.com.

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 REAL-
LY 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

W7RJW Rebecca J. Winters
CCARES Net Control Coordinator

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

<http://twit.tv/hn>

[#133: The 2014 Dayton Hamvention Award Winners](#)

Hamvention award winner announcement, Bob's back from his trip with pictures, from CES the FLIR One, RF connectors, and more.

[#132: Visiting Quartzfest](#)

CES quadcopters, Quartzfest with Gordo, radio propagation 101, how Hams got their name, and more.

[#131: Getting Wired](#)

Vintage video of Amateur Radio Newline, the Blizzard of '67, transmission lines, and more!

[#130: Gordo's CES report, and Bob's AGC Receiver Adjustment](#)

Gordo reports from CES, Proper AGC adjustment, keeping a log book, and more.

Have a cup of coffee, relax and watch one.

CCARC Committees

Activities Chair: Nita Lyman KE7DRT

Education and Training: Chuck Jones N7BV

Field Day Co-Chairs: Al Fisk KD7TFK, Vacant

Health and Welfare: Becky Winters W7RJW

Membership Chair: Becky Winters W7RJW

Net Coordinator: Mike Rice KF7VZZ

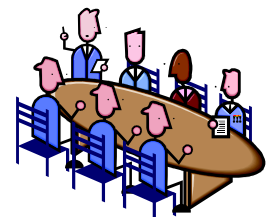
Program Co-Chairs: Janet Parris WA7JEP, Bill Carter W7WEC, Chuck Jones N7BV, Becky Winters W7RJW

Public Relations Chair: Bill McPherson W6JEQ

Publications (Newsletter): Chuck Jones N7BV, Jeramey Johnson KF7PMC, Mike Rice KF7VZZ

Technical Committee: Ernie Griffith W7EWG, Mark Merrikin AE7IP, Doug Welcker, WB4KGY

Web Site Administrator: Rik Scairpon WX7RIK



NEWS FROM THE CC-ARES

By Bill Carter
Emergency Coordinator

I was appointed to take over from Al Dawson, W7YLV on January 24, 2014. Boy, what a work load. I'd like to thank Al for keeping the organization alive for the last several years. Anyway I thought I'd list a few of the goals I plan for the organization.

- I'd like to establish a team between ARES and the Club to improve the radio communication to the West End. There is some synergy obtained by combining the talents and resources between the two organizations.
- AHAB siren tests will continue and we need reports from anyone who lives within five miles of the alarms/speakers.
- Develop a working relationship between ARES, CERT, and Search and Rescue. As always an ARES member takes care of his family first. Then CERT if appropriate. Then, when activated, whatever the County Emergency Management Unit assigns us.
- Field Day. I don't know how at this point in time, but I'd like ARES to participate.

There's some internal stuff to be improved, but nothing drastic.

The training requirements have moved a lot of hams away from ARES. There is a way you can participate and that is a level called Ham Watch. You would report on local conditions in your area and other tasks where you weren't deployed. The CERT teams need ham radio operators to report information to the closest Emergency Communication Center.

73, Bill Carter, W7WEC

Clallam County ARES Officers – January 2014

Bill Carter	Emergency Coordinator (EC)
Al Dawson	AEC, Port Angeles/Radio Officer, EOC
Paul Honore	AEC, Resource/Official Emergency Station (OES)
<u>Vacant</u>	AEC, Port Angeles Fire Department/Alternate ECC
Richard Golding	AEC, Sequim
Howard Yanish	AEC, Forks/OES
Bill Drath	AEC, Clallam Bay
Jim Coulter	AEC, Diamond Point
David Hannon	AEC, American Red Cross/Membership/ Treasurer
Nita Lyman	AEC, Olympic Medical Center/National Traffic System (NTS)
Dennis Tilton	Liaison, United States Coast Guard (USCG)
Lee Diemer	Incident Management Team (IMT)/Reports
Kathleen Reiter	Training
Bruce Reiter	Public Information Officer
Rik Scairpon	Web Page/Nets

**Clallam County Amateur Radio Club General Meeting
JANUARY 8, 2014**

1902 Meeting called to order by Mike KF7VZZ. The Pledge of Allegiance was recited, then introductions all around were made.

1906 Two members of the Coast Guard Auxiliary did an overview of the Coast Guard Auxiliary. Dennis Tilton AD7TV finished the presentation with a detailed description of marine radios and related services of the CGA.

2010 Break for coffee socializing.

2027 George W7TTY, the newest board member address the members about what he hope the club would do, take on, in 2014.

Becky, W7RJW announced her committee chairs, Health and Welfare; Membership; and co-chair of the Program Committee.

Mike KF7VZZ talked about the net and net-control operators

2106 The meeting was adjourned.

Chuck Jones N7BV

CCARC Secretary

STRAY

To: rfi@contesting.com

Date: Sunday, February 10, 2014 04:35:00 -0800

Subject: [RFI] LED Bulbs

The following is part of a message I received from a ham friend of mine who lives in Northern New Jersey.

David
KW4DH

I've been tearing my hair out for 2 months because of unbelievable RFI on 2 meters, rendering terrestrial and EME impossible. The following text pretty much sums up what I finally found today. This may be a big problem because the FCC considers that once identified, the liability for correction is on the generator of the RFI and if not stopped immediately then they can be fined. Who would have thought the LED's could radiate so far? If you want to see some pictures from the spectrum analyzer I'll send them down. You wouldn't believe it!

"At last the source of the RFI has been positively identified!

To recap, the wideband RFI centered on 145 MHz which began in mid-December was isolated to a specific house at 22 Cedars Road in Caldwell, NJ about 700 feet from my home. The RF level was about 20db over S-9 or nearly 1 millivolt, yes, 'millivolt' at my receiver. It wiped out the entire 2 meter band as well as the lower portion of the public safety and aircraft spectrum.

While the RFI sounded like AC line buzz, looking at it on a spectrum analyzer showed a 20 MHz wide signal that swept and pulsated. PSEG was instrumental in first identifying that the RFI was wideband and close to the residence in question as I had determined from walking the area. I then used a 4 element 2 meter Yagi to positively identify the direction of the source.

I considered that the problem might be channel 18 leakage from Comcast cable but that did not prove to be the case.

I was able to talk to the home owner who was very cooperative in working with me to find the source. I first thought that it was associated with TV usage but several tests did not yield the precise problem though the Comcast cable box and Samsung large screen TV were able to be heard inside the house on my Yaesu HT in AM mode but nowhere near the level I was seeing

at times at my home. It seemed that when the homeowner was not home the RFI would disappear and in that case TV's were off.

Today, another test was made where the homeowner turned off all TV's and the RFI was still present. She then started tripping breakers and the RFI completely disappeared! It was now positive that the RFI was from something I the home. Further testing revealed the source as 9 LED lamps in the kitchen that had been installed in mid-December, at the time I first noticed the beginning of the problem.

The lamps were obtained at Home Depot and are the Eco-Smart brand, MR-16 halogen replacements and are rated at 50w = 8 watts consumption. Obviously this is going to become a really big problem, not only for PSEG as people bite the bullet and purchase these things but it will also become a FCC issue as well as they clearly exceed any radiated emission spec's for consumer devices.

For now, since we know the source of the problem, I am working out with the homeowner a plan to perhaps go back to the halogen lamps. This problem needs to be escalated to Home Depot, the FCC, and anybody else that should be notified before the entire 2 meter spectrum is lost to licensed users in this country and others."

Go to <http://lists.contesting.com/archives/html/CQ-Contest/> to follow this thread.

This looks like it could be as bad as the problems with Internet over power lines.

Chuck N7BV

FROM OUR TREASURER

As of Jan 31,2014

Bank Saving	5000.99
Bank Checking	5799.79
Outstanding Cheques:	325.00
Total	10475.78

Thanks,
Ernie Griffith
 W7EWG
 CC-ARC Treasurer

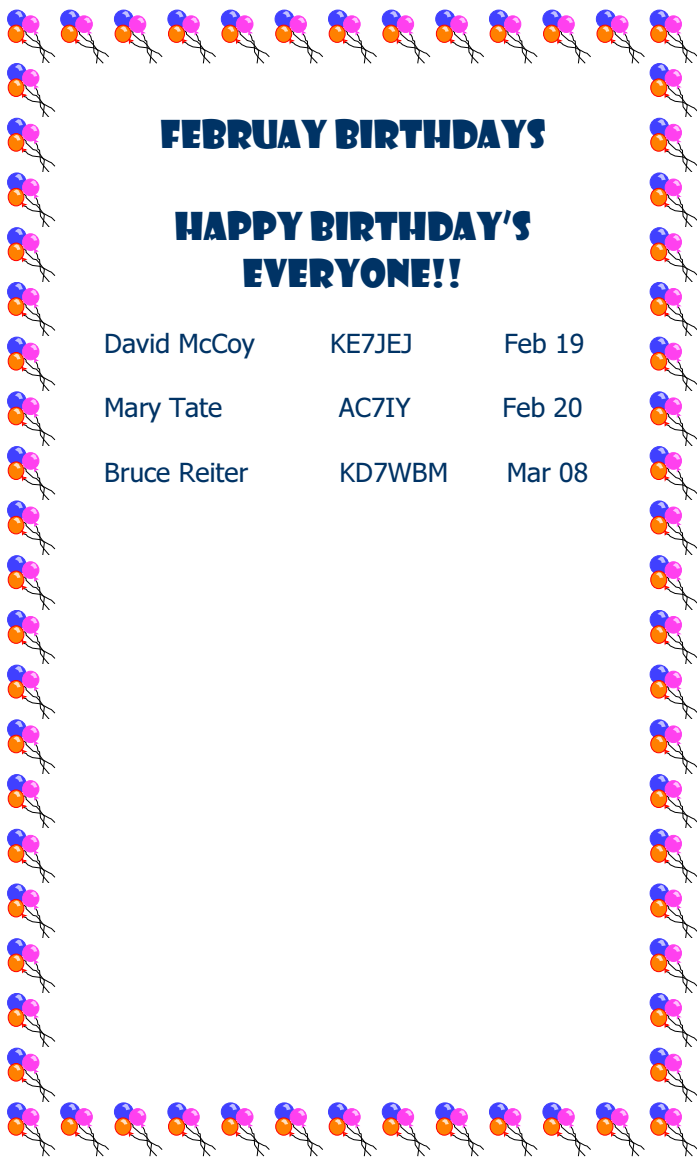
STRAY

From: wwdxc@yahoo.com **Sent:** Thursday, January 30, 2014 15:18

Subject: [wwdxc] Ham Atlas
 In case you haven't stumbled across this site yet, check it out. Click on ENTITY and the pull down will list all of the current ham radio DXCC entities (there are 340 currently). Once on an entity summary, you can click on maps and arial views to get enlarged images.

www.hamatlas.eu

John Owens - N7TK



FEBRUAY BIRTHDAYS

HAPPY BIRTHDAY'S EVERYONE!!

David McCoy	KE7JEJ	Feb 19
Mary Tate	AC7IY	Feb 20
Bruce Reiter	KD7WBM	Mar 08

COMING EVENTS

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 03/08/2014 | [Mike & Key ARC Electronics Show](http://www.mikeandkey.org) Location: Puyallup, WA Type: ARRL Hamfest Sponsor: Mike & Key ARC Website: <http://www.mikeandkey.org/flea.htm>

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NEXT YL LUNCHEON
Friday 14 February

Dynasty - 380 E.
Washington St.
Sequim

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

2013 YL Luncheons:

Reservations 11:30 2nd Friday of each month

- February** - Dynasty - 380 E. Washington St. - Sequim
- March** - Fiesta Jalisco - 636 E. Front St. - Port Angeles
- April** - Oak Table - 292 W. Bell - Sequim
- May** - Downriggers - 115 E. Railroad Ave. - Port Angeles
- June** - Black Bear Diner - 1471 E. Washington - Sequim
- July** - Gordys Pasta and Pizza - 1123 E. First St. - PA
- August** - Mariners - 609 W. Washington - Sequim
- September** - Asian Buffet - PA
- October** - Paradise - 703 No. Sequim Ave - Sequim
- November** - Chestnut Cottage - 929 E. Front - Port Angeles
- December** - Cedars at Dungeness - 1965 Woodcock Rd. - Sequim

Description	Time/Date	Location	Contact
Clallam County ARES/RACES meeting	7 pm, 1st Tue of every month	Clallam County Courthouse EOC, 223 E. 4 th St., PA	Bill Carter 360-681-4375
Clallam County Amateur Radio Club general meeting	7 pm, 2d 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, 1st 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/s:

NONE

CLUB OFFICERS For 2012

President: Mike Rice KF7VZZ KF7VZZ@Gmail.com

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

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

Treasurer: Ernie Griffith W7EWG 360-808-6668

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

Board Member: Bill McPherson W6JEQ 360-808-2069 dezertrat@wavecable.com