

CLALLAM COUNTY AMATEUR RADIO CLUB

QTC
DECEMBER 09

DRT's Shack:

May the December weather keep you from frost bite, antenna's upright, and being on frequency just right! Seems like the last storms stretched my wire just enough to be next to unreadable on HF, sounding more like Minnie Mouse than usual, but until this wind slows down a few knots, I'll be darned if I'm climbing on my roof, especially with our first snow of the year last night. I know the importance of keeping a station in tip top shape, so feel free. I have a great ladder!!

Our Christmas Potluck was one of laughter, good cheer, new faces, excellent food, well dressed Hams, {yes, we do clean up darn nice, don't we??}, entertainment that's always heart warming, and a very successful food drive...thanks to ALL who graciously gave. It was divided up between the Sequim and Port Angeles food banks, plus, normally the entertainment passes a hat which is their pay for a wonderful show! This year they donated every single penny to us to be donate to the food bank! It was close to \$70.00 dollars, so again, thanks to all who thought they were paying for entertainment. That is true holiday spirit!

Again, KE7XX, Santa Tom, drew the names from the container. I'm not sure it was his secret or not, but of all names being drawn first, it was mine. Thanks to the person who furnished that soft, fuzzy neck massage wrap, that no one touched..hi hi..did I really have that look in my eye? Touch it, you do ALL the cleaning!! It worked wonders, as I came home with it! I turned on some soft Christmas music, put it around my neck, thinking of the wonderful time we all had, and didn't wake up until the batteries ran out. I can say it really worked miracles! But the best gift was Santa Toms. He opened a beautiful ceramic Seagull, and it was no doubt the one everyone kept trading. Not sure who ended up with it, but it's just amazing how one gift can move from person to person. Santa, I'll teach you my 'secret eye" trick, or we'll just find another somewhere.

We're sorry for those who missed this special gathering. Santa Tom brought Peter, VE7PWR..I hope I have his call correct, from Victoria, and making his acquaintance was very nice. Also, thanks to John, LIK, for his extra effort in arranging the day care room we used, which was nicely decorated by the way! The delicious foods, the awards so beautifully made, and a HUGE thanks to all for helping, no matter what needed to be done!

We'll see you at the December meeting, where officers will be nominated for 2010. Put on your thinking caps for ways to make each activity better, and lets all give a little more time this year to the Clubs activities, gatherings, plus helping others with their radio needs. There's always someone who could use some help here or there, and so much talent just waiting to be utilized. Let's grow next year by contributing more to each and every member, to each and every event we hold. All members help is always appreciated.

73,
A VERY MERRY CHRISTMAS, & HAPPY NEW YEAR!

Nita KE7DRT
CCARC President

Get Your License Here!

Call Chuck, N7BV
360-452-4672
or
Tom, KE7XX
360-452-8228.

Thanks, Chuck, VE-L



PROGRAM FOR December 9th Elections

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!

CCARC QTC Newsletter

Just a little back round 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 (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

Have an idea for a club program? Pass them along to the members of the program committee: Bill Carter, Janet Paris, 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.

Electronic Fundamentals, Part-1 (Analog Circuits)

Unit-20 Test equipment

As I explained before, the multimeter and the oscilloscope are basic test instruments and, with just these tools, you can troubleshoot almost any circuit. There are a host of other instruments though, that are handy to have and others that are essential to critical alignment of a modern ham radio.

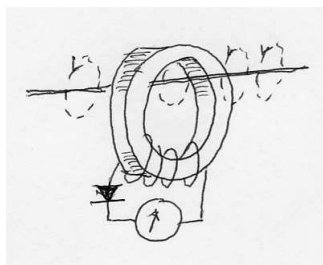
Clamp-on ammeter

A clamp-on ammeter can measure very high currents. This one can measure 300 Amps AC .



(Fig 20-1)

A clamp-on Ammeter can have several different scales and can double as a multimeter for “go-no go” tests where accuracy isn’t necessary. Its real strength lies in the fact that you don’t have to break a circuit to get a current measurement. The meter uses a current transformer to “capture” the magnetic field surrounding a conductor, and couple it. through a permeable core to a transformer secondary winding. In effect, the wire, around which the core is wrapped, becomes the primary winding for the transformer.



(Fig 20-2)

To attach the meter to the wire being tested, you simply push a lever on the side of the meter and the core opens to let the wire in.

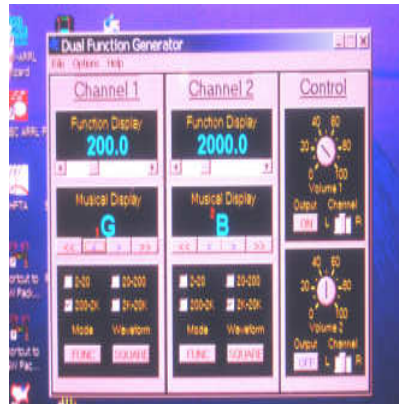
Signal Generators

Several kinds of signal generators are useful for injecting test signals into circuits. For audio frequencies, a sine-square wave generator is used with an oscilloscope, to check linearity and distortion in audio circuits.



(Fig 20-3)

This audio generator is a Heathkit, (no longer available) but here are a number of good oscillator kits at affordable prices. There are also software programs that will turn your PC into an audio generator. This one is contained on an ARRL software disc.



(Fig 20-4)

You'll notice it has two independent outputs so you can use it to generate a two-tone audio signal to test circuits for **Inter Modulation (IM)** distortion.

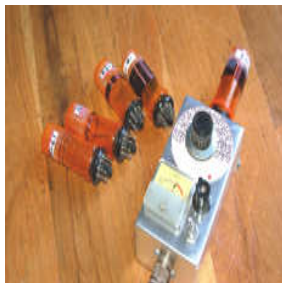
An RF generator is useful to test receiver RF and IF circuits. This one tunes from 65 Khz to 1.6MHz.



(Fig 20-5)

Dip Meter

Another useful kind of signal generator to have is a dip-meter.



(Fig 20-6)

The dip meter is a portable **Variable Frequency Oscillator (VFO)** with plug-in coils to cover several operating bands. The dip-meter generates an RF signal and couples it by induction to the circuit being tested. At resonance, the circuit will “load” the VFO output and cause a dip in oscillator current. You can use it either to find the resonant frequency of a circuit or to tune a circuit to resonance at a desired frequency.

Attenuator

Often, an attenuator is needed to prevent overloading the RF stages when testing. Here’s a homemade resistive ladder attenuator that can be switched in steps from 1dB to 64 dB of attenuation. The schematic for it can be found in the Radio Amateur’s Handbook..



(Fig 20-7)

Frequency Counter

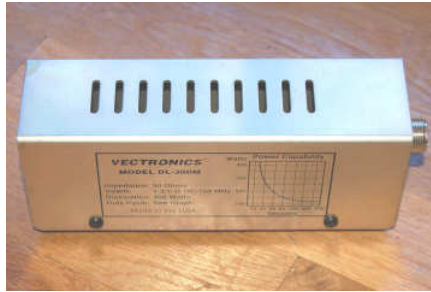
These days, it’s difficult to perform any meaningful calibrations on a transceiver without the aid of a good frequency counter. This one, in kit form from *M³.Company*, is accurate to within 1 Hz.



(Fig 20-9)

Dummy Load

For transmitter tests and calibration, a dummy load is a must.

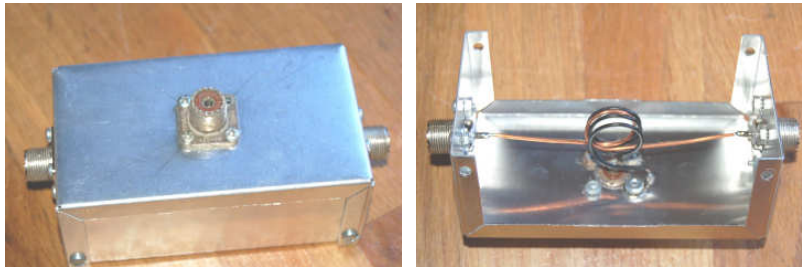


(Fig 20-10)

The load is connected to the transmitter in place of an antenna and provides a 50 ohm match to the transmitter output without putting a signal on the air. Loads can be had to absorb the transmitter's maximum output but this kind of power handling capability is rarely needed for transmitter alignment. A few watts of power is enough for most needs.

Sampling Pickup

The problem of sampling an RF signal under load is easily solved with a directional coupler or by a simple loop pickup inserted in the transmission line. A loop pickup can be made by connecting a piece of rigid copper wire with a single-turn loop between two RF connectors. A pick up loop of several turns is coupled to the first loop and used to sample the signal .



(Fig 20-11)

When the pickup is connected between a transmitter output and a load, the pickup can be used to sample the signal for an oscilloscope or frequency counter input.

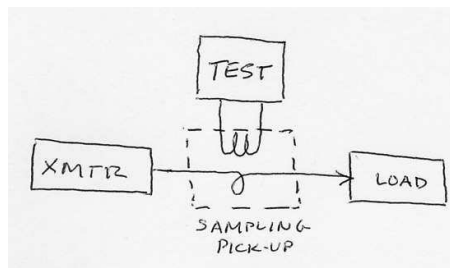
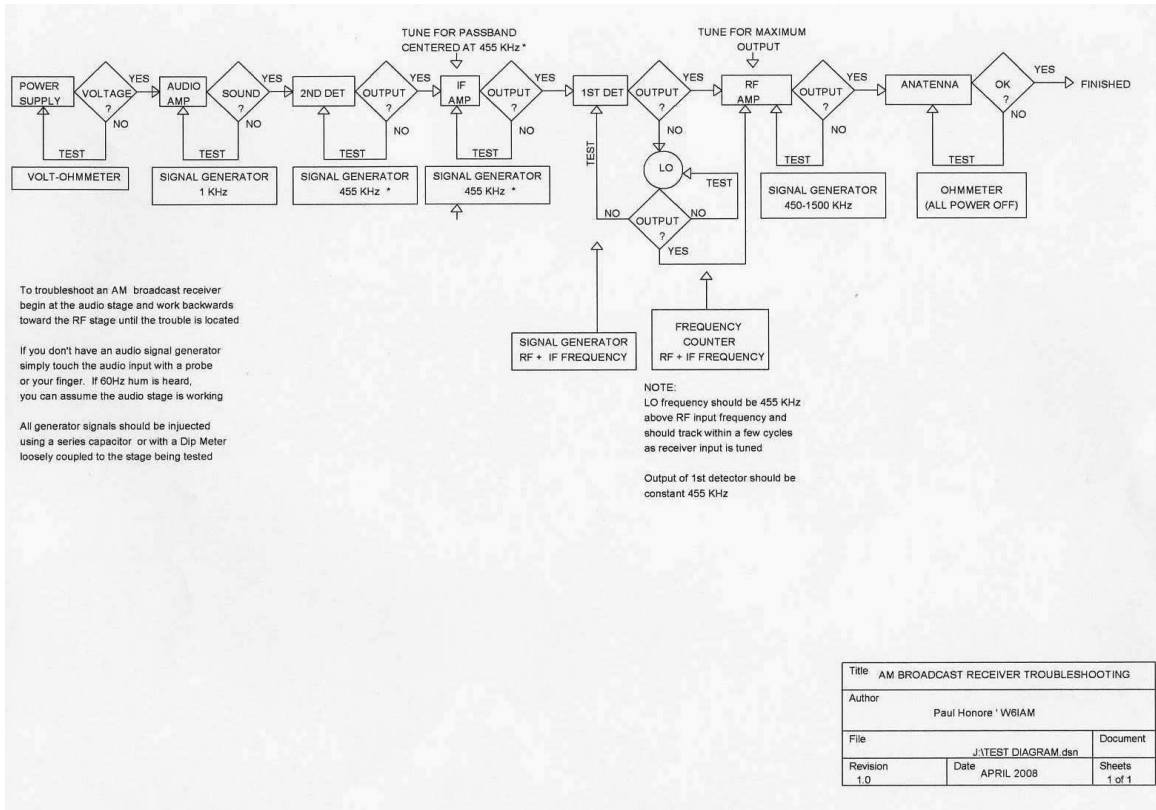


FIG 20-12

In this unit, I've described some of the more useful pieces of equipment needed to troubleshoot and align electronic circuits. At the end of this unit, I've also attached a Troubleshooting Chart. It diagrams an approach to servicing an AM radio but the same approach applies to any electronic circuit. Always start at the output and work backwards, injecting test signals at each stage and observing results until the fault is located.



In the next unit, I'll talk about frequency and wavelength and how they apply to the ham radio portion of the electromagnetic spectrum.

Paul Honore' W6IAM
REV-1 (Oct 09)



The recent wind storm on November 18th snapped three pieces of the 3/8 inch aluminum Spider hub on my 2 element quad antenna. Three other wire antennas sustained damage. These have been repaired. Will probably replace the Quad with a seven element Tri-bander.

This is the storm the PDN newspaper quoted PUD as having troubles keeping up repairing power poles. At various times during the wind storm it sounded like a freight train was going by out side our house.

Oh well, as they say, if your antennas survived the winter, they weren't big enough.

73, N7BV

CCARC HF RADIO RAFFLE WINNER SAYS THANK YOU!

Although I got my General ticket over a year ago, I never had an HF rig. Now I am the proud owner of a very functional Yaesu FT-900.

Many thanks to Tod & Nancy Sloan of Sequim, the family of Silent Key Richard Riddell N7OX, for passing this nice little radio on to Rik Scairpon WX7RIK. It was his idea to donate it to the CCARC for a raffle to raise money for our club. And, of course, a BIG thanks to CCARC for holding the raffle! I don't usually win raffles and such, and this was a wonderful surprise.

Well, I'm finally on the air with it. The Friday after Thanksgiving I got everything hooked up and fired it up. I've been mostly monitoring 80 meter, but I've tuned around in the other bands. I'm running it with a G5RV in an inverted V. I am not using the internal auto tuner, but instead coupled it to a LDG Z-11 Pro auto tuner. The Z-11 Pro tells me I am getting a 1.5 SWR on 80 meters. Can't complain about that.

Included are a couple of pictures of how I finally set up my station.

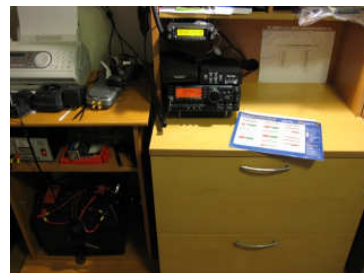
I would have included pictures of the G5RV, but it is practically invisible! Standing in my front yard looking up at the 120 foot tree in the back yard, you cannot even tell anything is there. The head of the G5RV is about 60 feet up, the inverted V legs are tied off to the fence on either side of the tree in the backyard using black 3/16 nylon cord. The ends of the antenna legs are about 20 ft above ground. I say antenna... what antenna?
hi hi

Thanks also to Chuck Jones N7BV and George Hutchison W7TTY. These two came over a couple of weeks ago and gave me some great ideas for putting my antenna in the tree. Thanks guys.

I had my first QSO with John Moore K7NIA about 8:30 PM the Friday night after Thanksgiving, just to make sure things were working both directions. Then I spent the rest of the evening listening to the Western Country Cousins Net on 3.970 MHz. Saturday night I happened to catch the Washington Amateur Radio Traffic System (WARTS) Net. I got up the nerve and checked in as a guest at the end of a very long roster. So far I have heard stations as far away as Arizona, Oklahoma and Minnesota.

Once again, a big, big thank you to the CCARC and to everyone involved in making this happen.

73s all!
David Hannon
KE7TTT



At the last meeting there was a question about the Wouff Hong. While the quick answer was to look it up on line, for those who were just too busy, the following is from the ARRL site:

The Wouff Hong

Every amateur should know and tremble at the history and origins of this fearsome instrument for the punishment of amateurs who cultivate bad operating habits and who nourish and culture their meaner instincts on the air.



It was invented--or at any rate, discovered--by "The Old Man" himself, just as amateurs were getting back on the air after World War One. "The Old Man" (who later turned out to be Hiram Percy Maxim, W1AW, co-founder and first president of ARRL) first heard the Wouff Hong described amid the howls and garble of QRM as he tuned across a band filled with signals which exemplified all the rotten operating practices then available to amateurs, considering the state of the art as they knew it. As amateur technology and ingenuity have advanced, we have discovered many new and improved techniques of rotten operating, but we're ahead of our story.

As The Old Man heard it, the Wouff Hong was being used on some hapless offender so effectively that he investigated. After further effort, "T.O.M." was able to locate and identify a Wouff Hong. He wrote a number of QST articles about contemporary rotten operating practices and the use of the Wouff Hong to discipline the offenders.

Early in 1919, The Old Man wrote in QST "I am sending you a specimen of a real live Wouff Hong which came to light out here . . . Keep it in the editorial sanctum where you can lay hands on it quickly in an emergency." The "specimen of a real live Wouff Hong" was presented to a meeting of the ARRL Board and QST reported later that "each face noticeably blanched when the awful Wouff Hong was . . . laid upon the table." The Board voted that the Wouff Hong be framed and hung in the office of the Secretary of the League. On display to day, it's still a sobering influence on every visitor to League Headquarters who has ever swooshed a carrier across a crowded band.

The Old Man never prescribed the exact manner in which the Wouff Hong was to be used, but amateurs need only a little imagination to surmise how painful punishments were inflicted on those who stoop to liddish behavior on the air.

(Ed note: a LID is a poor operator).

NOTES FROM ALL OVER

From <http://www.k0nr.com/rwritte/fmvhf.html>

"SIGNAL REPORTS

FM signal reports are often given in terms of receiver quieting. A strong signal will fully quiet an FM receiver, while a weak one will be quite noisy. A "Full quieting" report is given to a signal which exhibits no background noise or hiss. Signal reports are often given in terms of "percent quieting" to give the transmitting station a better idea of the signal quality.

Remember that when using a repeater there are two communication paths at work -- the path from the transmitting station to the repeater and the path from the repeater to the receiving station. Either one of these paths can exhibit noise due to a weak signal. If the receiving station has a strong S-meter indication but the transmitting station sounds noisy, the transmitting station is probably weak into the repeater. Remember that the signal strength indicated by your S meter is due to the repeater and not the transmitting station.

A frequency modulated transmitter used on the VHF/UHF amateur bands should be set for a maximum frequency deviation of 5 kHz with full modulation. Unlike SSB transmitters, the signal strength of an FM signal is independent of modulation level. That is, a dead carrier produces just as much power as a fully-modulated signal. Excessive modulation of an FM transmitter does not improve the reception of the signal and often degrades it. On the other hand, inadequate FM deviation causes weak received audio. The level of audio heard on the receive end is relatively independent of received signal strength. This means that changing transmitter power does not affect the loudness of the audio at the receive end. "

Recently we have been hearing "S" reports given on FM (Repeater). Take a look at various VHF rigs, the "bars" are not the same on all units, some have 10, some have 7, some have 5, and all in-between. These rigs are not calibrated for S-meter reporting. Seven bars does not equal S-7. Chuck N7BV

Third Annual SPAR Winter Field Day January 30-31. See: <http://www.spar-hams.org/contests/winterfd/index.php> for Details.

For several weeks now a lot of hams on the Elecraft Email Reflectors have been talking up the YAMAHA CM500 HEADSET W/BOOM MICROPHONE. It has a 4.8/5 rating on Eham (<http://www.eham.net/reviews/detail/7494>), which is almost perfect. They can be found on the internet for under \$50.00 the last time I looked. So if your in the market, and need to move into the hands free operation mode for ARES operations, this is an option.

Just Do It!

What happens if you enter a Ham Radio contest and you've never done it before? You have fun. Was I ready to "do it"? Nope. The logging software wasn't ready because I spent all my time trying to make some advanced features work. The basics weren't set up properly. The answer was paper logs. Writing the contact info first on a scratch pad and then finally and neatly into a log sheet. I nervously monitored the exchanges for a few minutes to sort of get into the rhythm of the dance. Then I jumped in. The first few contacts rolled along fairly smoothly. Then the phone rang. Darn. So I was gone for a few minutes. After the phone call it was time to look over the log. Something is missing. The time. I wasn't logging the time!

The contacts were slowly building up. The vertical antenna was working great. The East coast was booming in. I wasn't hearing much from the Northwest. I learned the rhythm of an exchange and you don't need to hear one half of the other QSO. You know when to jump in and answer a CQ. My initial intent was to make about ten or fifteen contacts. The next thing you know its one o'clock in the morning. I hardly ever stay up that late but it was fun. Nap time. Back up at five to continue. More than fifteen contacts were behind me so now what. One hundred contacts were in view. Why 100? Now this was not my initial goal but hey, there's this little pin they sell if you make one hundred QSO's. Why not? I pushed past that magic mark. To a real contesteer 100 is a drop in the bucket. By the end of the contest I was hearing 1300 and 1400's. It was fine with me to make that small goal. What happens when one of those big contest stations hits someone who is trying to make a contact and is flustered? I monitored one of those big guns operating a pile up. He slowed way down. I'll quote him the best I can.

"Is this your first contact?" Ans: Yes. "So I'm your number one?" Ans: OK??? "Here's what you do. I'm your first contact so you start with one, and then an A. You are about 100 watts aren't you?" Yes. "So that's 1 A followed by your call then the year you were licensed and then your section. Do you know your section?" No. "Where are you located?" Minnesota. "That's MN or you can say Minnesota. So go make your next contact and say "2 A KX0XYZ 09 MN". Got it?" Yes. "Good Luck." Then he sent his call and the pile up was back. After a few calls I was able to get through. I wanted to congratulate him but after my QSO and exchange he was gone onto another contact. Those big guns move fast. BTW: This contest exchange is one of the most complicated.

This contest I used search and pounce. I scanned the band until I heard a CQ that was strong enough. Then its send my call until they recognize me, we exchange data, and off I go to find another. Timing of when to send my call was critical. Each contact is a little different. Sometimes you shout immediately after they send their call. Sometimes you wait for the return calls to slow down and then pounce. Sometimes you just skip it and come back later.

The contest is over and there are these paper logs to convert to data. What to do? Google does it again. I found an online form you can fill out with key information and your list of contacts and data. Works fine. What I really should have done was get my N1MM logging program running. After the contest was over it took me about a half hour to get it up to speed. It would have definitely improved my rate of making contacts. So what about those missing times in my log? The rules for this contest, the ARRL November Sweepstakes (Phone) say you enter 2100 for the time and that takes care of it. I may have too many 2100's but what the heck. I'm not trying to set the world on fire.

73, Bill Carter, W7WEC

From our clubs past. Submitted by Bob Kennedy AC7RK.

THE BOONDOCKER--CLALLAM COUNTY AMATEUR RADIO CLUB

Vol. XXXVII No. 6 Nov-Dec 1993

DATES TO REMEMBER

Dec 4 Breakfast at Bernies Port Angeles 8am
 Dec 18 Regular meeting Godfathers in Sequim 8am
 Dec 10 XYL Luncheon at Casonie's in Sequim 12 noon

November

1 Ann Woods---12 Isobel Wilkerson--13 Martha Goodwin --14
 Howard Decker K9RND--Betty Berry---15 George Cunningham...21
 Gil Welcker W7LG--Clyde Glover N7SJK...26 Martha Goodwin

December

1 Wanda Stoddard---10 Harold Stevenson AL7KR--11 Pat Sterneke
 Frank Tate NA7O--12 Lucille Thyrring N7IUT---13 Delores
 Conrad--24 Andy Anderson WA6LEG--Virginia Sledd

FOR SALE

Philco console radio 1937 Model 650. Good cdx works fine. 4
 bands/complete instructions. Great conversation piece for
 family room. Lots of nostalgia. Also need a pair of 6LQ6
 (6JE6C) tubes KC7ZT 683-2355 after 11:00 am...

A number of pieces of RG212 co-ax in lengths up to 100ft
 complete with fittings. 20 cents per foot.
 Bill Hiller N7DM, 8 Key Road PA 452-1664..

The Club received the following letter from Mary Jacobs:

Thank you very much for your very warm letter of thanks and
 appreciation...A life membership in the club and the
 "Boondocker"are very rewarding. Thank you on behalf of my
 late husband and myself..Mary Jacobs...

Silent Key

Erik Erikson WB7RIF

A memorial is planned for Erik in Port Angeles. We will try
 to keep you informed.

NOVEMBER MINUTES HIGHLIGHTS

Treasurer Manny Manis reported a balance of 2524.79
 Everyone should pay Hal Berry \$8.60 for Christmas Party to
 be held at Haguewood's on December 9 at 2:00 PM

Chuck McGilvra reported that the results of his questionnaire
 showed a majority in favor of a breakfast from the menu. The
 club voted to change. At this time there is no place in
 Sequim willing to serve the club breakfast a la carte. The
 change has been tabled.

The following were nominated for 1994 club officers.

President....Bob Erny Treasurer....Manny Manis
 Vice Pres..Dick Goldie Board Member..Keith Ishiguro
 Secretary....Louis Stevenson

George Martin is a new ham who just passed his Technician

Manny Manis described the ocean trip he is starting next
 week. He will fly to Spain then to Grand Canary Island. He
 will be a member of the crew on a 43 ft sail boat owned by
 a Sequim resident. They will sail to Antigua in the West
 Indies and back to Sequim by air. Several members will try
 to keep in touch with him via radio. Calling freq is
 14.300...Operating freq is 14.060 CW. Time 1630Z
 Dates Dec. 3 6 9 12 15 18 21 (if needed)

A HAM'S CHRISTMAS
By Robert Shafer W9SVL

Twas the night before Christmas and in the ham shack
Was the warm glow of tubes in the transmitter rack.
The log book was brought up to date with great care
In case the FCC might some day be there.
XYL and harmonics were snug in their beds
No Tennessee Indians to addle their heads.
I plugged in the mike and the new VFO
Getting all set for a nice QSO.
When from the relays there arose such a clatter
I yanked the big switch to see what was the matter.
Then up on the roof by the two meter beam
There came QRM like a hetrodyne scream.
On Gonset, on Babcock, on Viking and Elmac,
On Ranger, on Collins, on Heathkit and Eimac.
Bias to the grid and volts to the plate
Just watch the S-meter while we modulate.
As I turned to the rig and reached for the dial
From the antenna tuner Santa slid with a smile.
An RF choke he held tight in his teeth
And co-ax encircled his head like a wreath.
A bundle of ham gear he had on his back
Was my name on a new power pack?
He had a snub nose like an egg insulator
His cheeks glowed bright red like a hot oscillator.
He spoke not a word but went straight to his work
Laying out all the gear, then turned with a jerk.
And laying a wave meter along side of his nose
Said, "PLEASE QSL", and up the feeders he rose.
He climbed up the dipole, to his team gave a whistle
And away they all flew like a jet propelled missile.
But I heard his last signal from the ionosphere
73 88 and a Merry Xmas from here.

Your editor wishes to thank all of you for your kind words, prayers and cards. Helen enjoyed the ham club more than any other group she worked with. At this point she is very close to the end. For Helen to all of you we say 73 88 30.

I would like to recommend five books about Ham Radio History that I found very interesting to read. They give insight to the early years of Ham Radio and a new appreciation of the amazing development of early radio. A time when so many young people were so fascinated with this new technology for communication, "Radio Waves".

1. "Hiram Percy Maxim", Father of Amateur Radio, an amazing man!
2. "Two Hundred Meters and Down", A time when Amateurs were thrown the bones of frequencies and wonderful things they did with them.
3. "Ham Radio Culture", A recent writing of Amateur History with interesting (?) view points.
4. "Thunderstruck", A true story in the early 20th century blending Marconi and a murder story. You will read all night with this one.
5. "HELLO" A life in Ham Radio, Collection of QSO cards that show lifetime of a ham's contact. Amazing!

I have four of these books and would be glad to lend them.

73 Bob AC7RK

CLALLAM COUNTY RADIO CLUB
Minutes of the General Meeting November 11, 2009

The meeting was called to order by club president, Nita Lyman, KE7DRT.
The Pledge of Allegiance was given. Self introductions were made by those present.

Speakers for the evening were Mike Grall and Jim Bordy, detectives in the Olympic Peninsula Narcotics Enforcement Team (OPNET). This is a multi jurisdictional task force whose mission is to target moderate to upper level drug violaters, to reduce drug availability and trafficking in Washington State and Clallam and Jefferson Counties thereby improving the quality of life in our communities.

Detective Grall described the benefits of using the task-force approach to enhance efficiency and drug enforcement cooperation among the various agencies. He also exhibited samples of drugs and drug use paraphernalia. After the presentation, the regular business meeting followed a short break.

David Hannan, KE7TTT, won the drawing for the Yaesu FT-900/AT radio.

Bill Carter, W7WEC, reported that permission to install a repeater at the Century Telephone facility on Ellis Mountain is still pending. He wrote to upper management of the company and has not received a reply.

Nominations were made for 2010 Officers:

- President: Nita Lyman, KE7DRT
- Vice President: Dennis Tilton, AD7TV
- Secretary: Lee Diemer, KE7TTY
- Treasurer: David McCoy, KE7JEJ

Voting on the proposed by-laws changes was deferred because the latest revisions had not been sent to the membership.

Respectfully submitted by Lee Diemer, KE7TTY

FOR SALE OR TRADE

~ ~ ~ ~ ~

For Sale

- **HF Radio. Kenwood TS-430S. With mike, four filters installed and matching power supply. \$500.**
- **VHF 2M Radio, Kenwood 2550A with mike and no tone module. \$60**

This is a Silent Key sale. A portion of the sales benefits the Club. Contact Bill Carter, 360-681-4375

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FOR SALE

ICOM-220 2Mtr mobile, 50w, With manual. \$75.00.
Jim Cloud WA7LDM 360-457-9299

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Your Ad Could Go

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.

FROM OUR TREASURER:

As of November 30th, 2009:

First Federal Savings & Loan of Port Angeles Balance: \$ 7,917.01
 Outstanding Cheques: - 5.00
Checkbook Balance: \$ 7,912.01

David R. McCoy,

KE7JEJ

CC-ARC Treasurer

COMING EVENTS

~~~~~  
 There are no Hamfests or Conventions  
 within 100 miles in December

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6 Mar 2010 Electronics Show and Fleamarket
 Mike & Key ARC Puyallup, WA
 WWa Fairgrounds Pavilion Exhibition Hall
 ~~~~~

**BIRTHDAYS:**

|                    |        |        |
|--------------------|--------|--------|
| Gilbert, Ray       | K7VQF  | Dec-09 |
| Cloud, James       | WA7LDM | Dec-16 |
| McCarty, Michael   | N7MLM  | Dec-16 |
| Sipes, George E.   | KI7JJ  | Dec-17 |
| Stone, Patricia L. | KE7DPI | Dec-25 |
| Kennedy, Bob       | AC7RK  | Dec-30 |
| Scott, W. (Travis) | KB0PWP | Jan-01 |

**YL's**

|                    |        |
|--------------------|--------|
| Koehler, Elizabeth | Dec-21 |
| Uhden, April       | Dec-24 |

**Happy Birthday!**

**Please welcome the following  
 new members who joined the CC-ARC  
 recently!**

**None**

**NEXT YL LUNCHEON**

December 11th  
Stymie's Cedars at Dungeness,  
Sequim

**Time: 11:45 a.m.**

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

**2009 YL Luncheons:**

December - Stymie's - Cedars at Dungeness, SQ

| 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 | Dan Abbott N7DWA<br>360-582-3824  |
| Clallam County Amateur Radio Club general meeting  | 7 pm, second Wed of every month | Olympic Hospital<br>Linkletter Room, 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 Country Amateur Radio Club YL social lunch | 11:45 am 2d Fri of every month  | Rotates - announced on Thursday<br>night Net                     |                                   |

**CLUB OFFICERS For 2009**

**President:** Nita Lyman KE7DRT 360-457-5022 Nita\_lyman@yahoo.com

**Vice President:** Dennis Tilton AC7TV 360-452-1217 3tiltons@wavecable.com

**Secretary:** Lee Diemer KE7TTY 360-683-5102 pathfindernorth@aol.com

**Treasurer:** David McCoy KE7JEJ 360-457-8550 mccoy.d.r@olypen.com

**Board Member (Chairman):** Bill Carter W7WEC 360-6814375 w7wec@arrl.net

**Board Member:** Johan Van Nimwegen KO6I 360-681-7300 jvn@olypen.com

**Board Member:** Al Dawson W7YLV 360-457-0752 adawson@tfon.com