CLALLAM COUNTY AMATEUR RADIO CLUB

QTC

MARCH 10

DRT's Shack:

A month of luck of the Irish, and the Ides of March see you all the way to your rainbow, needless to say I hope you find that nice little surprise at the end of that beautiful arch in the sky. If I could swim well, I would have had the pot of gold in the middle of Lake Crescent. What a beautiful sight that was. Never have seen the end of a rainbow over water. What a tease...
But with each new day brings many new and pleasant surprises, but we always seem to go with the flow, pick up the old feet, and move on. Lets go for the gold!

With not much going on this month for me, as I've had that gunk, hoping if any one else has, you're strong, healthy, and on your way or fully recovered from it. Tired, no energy, and then just as you get to feeling better, and it comes back. Being a virus, forget the antibiotics. Won't help a virus. Just take good care of yourselves, gargle with salt water, and hope for the best. I'm only bring this up as it's a nasty virus. Some one has to stop spreading it, so if you're sick, try your best to stay home.

So back to Club happenings. Field Day is looking as if it's coming together quite nicely. Dennis, AD7TV, and George Hutchinson, W7TTY, have some good works in the planning stages. They are looking for any and all Club tents, helpers, and ALL who want to get the planning in order, so contact either of them with your ideas, thoughts, and think about how you can help bring about making this one fun, always exciting week-end. One we can be proud of. Field Day, {week-end} is our biggest event for our Club. As mentioned, planning, setting up, and bringing it all together, I believe, is what each of us working a Club activity can make it shine, bringing us together as family. That's what it's all about. Each year we add this, take away that, always working to make this one the best. Much is needing to be done, so with cooperation amongst ourselves as a TEAM is surely going to make for a fantastic, fun time for each one of us. With your help, and expertise, even if you're a new member to the Club, your ideas and help can and will help pull it all together. And of course, nice warm weather is always an added bonus. So keep thinking SUN SHINE, and we'll have one Field Day that tops the last. It always seems to get better by the year, and all who have stepped up, THANK YOU so much.

If you are on a Committee, and have questions, or not quite sure what it is you're responsibility is, I hope to have a get together soon where we can sit and go over what it is you can be doing to help your team run smoothly. No tentative date set as of yet, but plan on it being soon. Let's try to be there when the time does comes, as each Committee Chair is the glue that keeps the ball rolling, and you Chairs are who people come to with questions and concerns. If you want to help on a Committee, contact that Chair, and let me thank you in advance for your help, which is always much appreciated. Even an hour or two of your help can make all the difference in the world, so consider joining in on the fun, and bring laughter and ideas. No idea is too small to consider and just might be the one we're looking for.
If you have any questions on who or how you can help, just ask. Chairs are waiting!

Inside you'll find the program of Wednesdays meeting, and since it's a surprise to me as well, I'm sure we'll all enjoy it together. So SURPRISE!!
We'll look forward to a classic, I'm sure, as that committee always gives us a great meeting!!

Much more to be coming on Field Day happenings, so keep the last week-end in June clear for YOUR CLUB, and a Field Day where we'll all have an opportunity to work PSK-31, IRLP, {new this year}, and please, I can't stress this enough. Take questions and concerns to the Committee Chairs, then all or some won't be lost in what we do best..COMMUNICATIONS!!

73, and see you on the 10th.
Nita~KE7DRT
CCARC President

Get Your License Here!

What: Technician and General Classes

Where: PA Fire Station, 5th and Laurel.

When: **April 10,17, 24** at 0845L.

FYI: We are changing our training schedule to include actually teaching a chapter on the third Saturday.

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

Thanks, Chuck, VE-L

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 ccarcqtc@yahoo.com as a repository for information for the newsletter. So if you have something for the QTC, please send it to the yahoo address. Do not 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 ccarcqtc. 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-serf font (Arial which is easer 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.

Are we ready to play raffle – again?

This time the rig is a YASEU FT-990, 160m-10m, plus general coverage receive.
Just look at all them buttons to push – well worth one raffle ticket alone!!

And if the Front Panel doesn't do it – check out the rear panel. Two tickets??

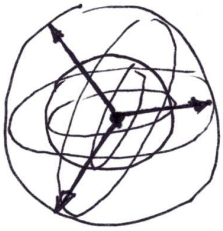
Coming to a ticket seller near you soon. Be at the next CCARC meeting to hear the latest.

Dave Tyler, N7DRT now SK, a former Club President and Trustee purchased the FT990 on January 7, 1994 from HRO in Portland, OR. In 1997 he had the radio aligned to Yaesu specifications by Richmond 2-Way Radio in Port Angeles. Dave purchased a MD-1AX8 microphone for the radio. The radio has been used by Dave and his son. It was also used during the 1995 Clallam County Fair. The radio comes with said microphone, purchase documentation, power cord, and operating manual. . After Dave's passing his wife offered the radio to the club for its use. The writer checked out the operation of the radio into dummy load and found it to be sound, but he did not test it on the air. The radio is in very good cosmetic shape. While this radio is a bit dated as it does not have DSP circuitry, it meets most of the requirements of an Amateur Radio Operator.
Roger Uhden, K7RGR

. Electronic Fundamentals, Part-1 (*Analog Circuits*)
Unit-23 RF Propagation.

Much has been written about antennas and transmission lines and much is yet to be discovered. Meanwhile, we must get down to the everyday business of communicating the best we can with what we have to work with A few things are certain and understanding them can help us to get the most from a limited budget and less than ideal terrain, or from a stealth installation hidden away from restrictive neighborhood covenants and regulations.

Let's begin with an ideal radiator -- a point in space, unhampered by absorbing and reflecting influences..



(Fig 23-1)

RF power is radiated equally in all directions from the point, like a constantly expanding bubble or a balloon that is being filled with air. Let's assume that the RF being radiated is an unmodulated carrier wave at a frequency of 10 Mhz. Remember the formula for wavelength from unit-21?

For frequency in MHz, λ **= 300 / f**

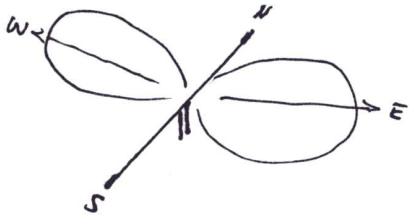
Therefore, one full wave at 10 MHz will expand outward from the source for a distance of **300 / 10 = 30 meters** before the next wave starts out. Assuming no energy is lost as the wave travels through space, the power density, measured on the surface of our expanding "bubble", spreads thinner and thinner as the bubble expands. There's a formula for this **$P_{d2} = P_{d1} (D1^2 / D2^2)$** where **$P_d$** is Power density in milliWatts **(mW)** and **D1** and **D2** are distances from the source.

Let's take an example. If the RF power density, **Pd1,** measured at a point 100 meters from a source is 400 mW, and we take another measurement at a distance of 200 meters from the source, we would read a power density of:

$P_{d2} = 400 (100^2 / 200^2)$, $P_{d2} = 400 (10{,}000 / 40{,}000)$,
$P_{d2} = 400 \times .25$, $P_{d2} = 100$ mW.

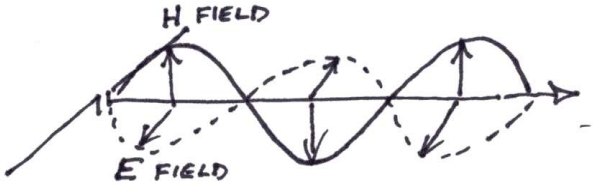
It is evident from this that as RF power is radiated into space, it ***diminishes*** with the square of the distance. You may start out with a kilowatt of radiated power but the amount of signal that arrives at a given receiver will be very tiny indeed - usually only a few microwatts! It makes sense, then, to concentrate as much of the radiated power in the direction of the receiver as possible, and also for the antenna at the receiving end to reject all signals arriving from directions other than the transmitter.

So much for ideals. Let's look at the real world. Let's assume we are using a dipole antenna to transmit our signal. Instead of radiating energy equally in all directions, the radiation pattern is a kind of figure eight, with maximum energy broadside to the antenna.



(Fig 23-2)

That means, if our antenna is pointed North-South, the main radiation lobes will be to the East and West. Now, let's project a line outward from one of the lobes. As the RF wave travels along the line, it will consist of two components, an electric **(E)** field parallel to the antenna, and a magnetic field **(H)**, perpendicular to the electric field.

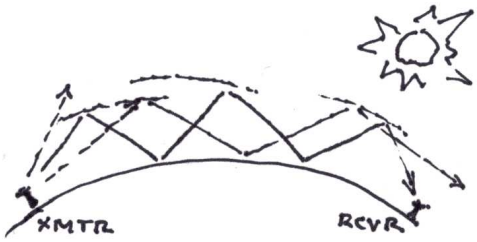


(Fig 23-3)

The best coupling between the transmitter and a receiver is accomplished when the antennas are oriented with their E field components aligned, That is, *both* antennas should be either horizontal or vertical. Since VHF and UHF communication is "line of sight", it is essential that the transmitting and receiving antennas be oriented the same way. The standard for VHF/UHF is **vertical**, so, if you hold your HT horizontally, while talking into it, don't expect to make a very good contact with a mobile operator using a roof-mounted whip antenna.

HF communication is a bit different. The lower bands, from 180 to10 meters are not used much for local communication. They are more appropriate for reaching out to distant (**DX)** stations. Signals at these frequencies don't propagate for very long distances along the earth's surface. Instead, they launch from the antenna at an angle of from 15° to near vertical. Left to themselves, they would drift off into space, maybe to be heard by aliens in some distant galaxy.

Fortunately, we have the ionosphere in our favor. Ultraviolet and Gamma radiation from the sun strips electrons from gases in the rarified upper atmosphere, creating temporary clouds of ions that can last from a few minutes to many hours. When radio waves reach these ionized clouds, they interact with the ions and there is an exchange of energy that results in some of the radiated energy being bent back towards earth. It's not a perfect exchange. Some of the energy is lost and some is scattered in various directions but most of it gets reflected so that it arrives at a point on the earth's surface hundreds or thousands of miles away from the transmitter, leaving a communication gap between.



(Fig-4)

Depending on the local time of day and solar activity, up to four major layers of ion clouds may be present, ranging from 30 to 200 miles above the earth's surface. These can either absorb or refract radio waves so that different bands open for communication at different times making for some interesting DX communication. In the process of being bent back and forth, the electric and magnetic fields become confused so polarization of the antennas is no longer an issue. Vertical and Horizontal antennas can be used interchangeably with little adverse effect. This gives you flexibility of choice and you can tailor your HF antenna installation to suit your needs and circumstances.

During WW-II, German engineers, investigating HF propagation found that the gap or "dead zone" between transmitting and receiving stations could be narrowed by mounting the transmitting antenna very close to the ground, creating a takeoff angle of nearly 90 degrees -- straight up -- to be reflected back again. Today, this has become a standard technique with military field operators and for hams using HF for emergency communications. It's called NVIS (Near Vertical Incidence Skywave) transmission. And it allows stations in relatively close proximity of each other to use HF bands where terrain forbids line of sight VHF and UHF communication.

Propagation of radio signals is a large and complex subject and sometimes takes on more of an air of alchemy than of science. Paths of propagation will suddenly "open up" to distant lands for a few hours or even a few minutes and just as suddenly shut down again. Signals can be bounced off of ionized meteor trails, the aurora borealis and the moon. They can even be "ducted" trough regions of temperature inversion in the earths atmosphere. To some extent, these phenomenon can be predicted, based on expected sunspot or geomagnetic activity and solar winds but much is still elusive and unpredictable. Maybe that's what keeps so many hams interested in the hobby. It's anything but routine and boring.

This completes Part-1 of *Electronic Fundamentals*, in which I've provided basic -- and I hope useful -- information about the workings of analog circuits as they apply to ham radio. Happy DXing!

Paul Honore' W6IAM
(rev-2 Feb '10)

Paul, W6IAM, passes this along for information..

SB SPCL @ ARL $ARLX005
ARLX005 IARU Region 2 and Radio Club de Chile Request Amateurs to Keep Emergency Frequencies Clear

ZCZC AX05
QST de W1AW
Special Bulletin 5 ARLX005
From ARRL Headquarters
Newington CT March 1, 2010
To all radio amateurs

SB SPCL ARL ARLX005
ARLX005 IARU Region 2 and Radio Club de Chile Request Amateurs to Keep Emergency Frequencies Clear

A massive 8.8 magnitude earthquake hit Chile at 0634 UTC on February 27, 2010, triggering a potential tsunami. IARU Region 2 and the Red Chilena Nor Austral de Servicio (RECNA) have suggested Amateur Radio operators monitor the following emergency communications frequencies for traffic pertaining to the earthquake and tsunami: 3.738, 3.750, 7.050, 7.100, 14.200, 14.350, 21.200, 21.350, 28.300 and 28.500 MHz.

IARU Region 2 Area Emergency Coordinator Jorge Sierra, LU1AS, reports that there is now traffic at frequencies of 40 meters from people seeking information from people in Chile: "We would appreciate if amateurs would leave free the frequencies used by RECNA, as well as the usual IARU Region 2 frequencies on in 20, 40, and 80 meters."

In addition to the above frequencies, you may also want to listen to the worldwide emergency communication Center of Activity frequencies: 14.300, 18.160 and 21.360 MHz. Other suggested monitoring frequencies are 3.720, 7.045 and 7.060 MHz. Hawaiian Amateur Radio operators on the lookout for a possible tsunami are monitoring 7.088 and 3.888 MHz.
NNNN

Communications Academy

The 12th annual Communications Academy will be held April 10-11, 2010. South Seattle Community College, Seattle, WA

The Communications Academy is open to anyone with an interest in emergency communications, volunteer or professional. The presentations are designed to promote the development of knowledgeable, skilled emergency communicators who will support their local communities during a disaster or emergency response.

Online Registration is now open. Click here to begin!

http:\\www.communicationsacademy.org

Download the 2010 Flyer or Postcard!

WA State Mission number: 10-T- 031

Bringing Professionalism to Amateur Emergency Communications

CLALLAM COUNTY AMATEUR RADIO CLUB
Minutes of the Board Meeting 24 February 2010

The meeting was called to order at 1800 by the Board Chair Johan Van Nimwegan. KO6I.

Attendees were Board members Johan KO6I, Dennis AD7TV , Chuck N7BV, Al W7YLV, David KE7JEJ , and Bill W7WEC. Guests/Presenters were Bob K6MBY, Rik WX7RIK, David KE7TTT, and George W7TTY.

The first agenda item was to approve the 2010 budget that was submitted by David late last year. A motion was made to approve the budget as presented. No discussion. It was voted on and approved unanimously.

The next item was to audit the finances. Karen Jones was asked and had volunteered to do the auditing as she has experience in that area. Bob K6MBY volunteered to be an outside observer. This will be an audit from the date that David took over the finances. An audit was done at that time. Those three will get together at their convenience to do the audit.

Third on the list was to have a paper party. That is those that have club records will get together to eliminate old files and consolidate them to the appropriate person or put them in the Club's safety deposit box. The three involved, Chuck, David and Bill, will get together at Chucks place. Again, it will be at their convenience.

Bill presented a question about why we are taking written attendance at club meetings. After some discussion it was decided that Bill will count the attendees and report the number in the QTC.

The fifth item on the agenda was about the Boards list of recurring events. This has been a wish list for quite a while. Bill reported that while going through the Secretary's stuff he found some work done earlier by Rich N7NCN. Lee KE7TTY had also added some work. Bill volunteered to combine this info into a list for the board to review and edit.

Item six was a proposal to give George W7TTY ten dollars to cover the cost of material for last month's presentation. The Board approved the idea but George said he didn't need it. After some discussion the Board voted to give the money to George. Then George immediately donated the money back to the club.

Seven. A financial report was given by our financial officer David KE7JEJ. The bottom line is we have $8,927.95 in checking. There is one check outstanding for a small amount.

Eight. Status of the latest Radio raffle: Approximately twenty tickets are left to be sold. Not everyone who has tickets to sell was there to make and accurate report.

Nine. The clubs web site: Rik WX7RIK is our web site administrator. He works with Bob K6MBY, David KE7TTT, and Al W7ALP. The current web paid registration is by Sheldon N7XEI and Casey KJ7XE. The site is hosted at Sheldon's location. Rik was asking if we wanted a more club specific registration. He has researched names and found that most of the really accurate ones are taken by other organizations. He believes that he can find a good one under the .net or .org domains. There was a discussion about what software to use. Bob listed what the Club had gotten for him and it was decided to use that. A motion was made to find a new domain name and change the registration. There was minor discussion and it was voted and approve unanimously.

Ten. Bob K6MBY gave us an Ellis Status report. He had a handout with a summary of the problems and alternatives. A big stumbling block continues to be the large insurance amounts the telephone company requires. The cost would be over $3000 per year. This is well above what club dues bring in each year. Bob continues to work the problem and there are alternatives if the telephone company site doesn't come through.

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Continued from page 8—Board Meeting

Eleven. Chuck gave us a VE report and a proposal. One of the problems at the VE sessions are the number of people that sign up and then are a no show. His Proposal is to charge a $50 nonrefundable deposit. This would pay for the book that is used and the first exam that they take. A motion was made to approve this proposal. There was much discussion and then a vote was taken. It was unanimous to approve the proposal.

The next meeting is May 26th. Same time, Same location (Johan's shop).

The meeting was adjourned at 1922.

Submitted: Bill Carter W7WEC
Secretary CCARC.

What's Happening at Ellis?

I have been in a holding pattern this month. One of the thoughts to get around the Century insurance requirements was to have someone else that may have the required insurance do the installation and maintenance. Richmond Radio was contacted and Steve agreed to look at his insurance to see how it compared to the Century requirement. Richmond was reworking their insurance at the time so he was not sure what the company would end up with for insurance amounts.

In the end we will take what was learned from our current insurance agent, State Farm, the ARRL Insurance group, and Richmond's insurance and go back to Century with a "this is the best we can afford" statement. It will be up to the Century Risk Assessment group to decide whether that can live with what we can afford.

I have also contacted Olympic Radio which has a site on Ellis also. I have emailed the owner, Gil Patterson, our technical sheets for evaluation. Gil is seeing if he has space in the building along with seeing what the DNR will charge him to have us in his site.

I have also spoken to Mark Savage who is the head State DNR guy. Mark took over the west end when Dean Wilson retired from the Forks DNR. Mark assures ALL amateurs that he is aware of the rent issues when the DNR sells off its interest in the mountain top buildings later this year. As you may recall, amateur's get a reduced rate of $100.00 per year in DNR sites. The new owner will be encouraged to honor the $100.00 annual rate. As a club we have been reluctant to go to the DNR for Ellis until we see how this new owner/new rate issue works out.

Time marches on……..

Bob
K6MBY

CLALLAM COUNTY AMATEUR RADIO CLUB

Minutes of the General Meeting 10 February 2010

The meeting was called to order at 1900 by the Club President Nita Lyman, KE7DRT

We did self introductions around the room.

Chuck Jones led us in the Pledge of Allegiance.

Nita introduced our guest speaker who was George Hutchinson,W7TTY.

Subject: RTTY / ITTY

George introduced us to the basics of RTTY. This included some pictures of the military, news, financial and personal of equipment. RTTY is still on the air with the ARRL having daily bulletins. There is the Northwest RTTS net daily at 8 PM on 3598 KHz. There is a historical web page at www.radiomarine.org. "Glass RTTY" is George's name for RTTY using software. He described the equipment and software to make contacts. He emphasized that when you do use S/W RTTY that you end each line with <CR><CR><LF><LTRS>. This is because the machines with carriages need some time to get back to the left.

George has a web page with ITTY, Internet Teletype TTY over the internet. His web page is a "Source of signals for TTY machines to print. He provides the audio streaming to drive the hardware. There is much information and daily news to send to your RTTY device. The url is www.rtty.com/.

There is much more to his presentation and he had handouts to help get you started. He also had a CD with his presentation and some of the required software. George mentioned that he just loved the smell of oil as the machines are working.

After a short break Nita called the business meeting to order. The first order of business was to review the minutes of the previous meeting. A motion was made and seconded to accept the minutes as published in the February QTC. There was no discussion. The vote was unanimous. No nays and no abstentions.

The next item of business was Nita's selections for the various committees. There was some discussion and the final selections and acceptance were,

Technical, Bob K6MBY, and Steve W6MPD
Membership, Valerie, KF7VAL
Activities, Callie, N7YMU
QTC, Chuck, N7BV, and Bob K6MBY
Field Day, Matt, KE7EQO and Chuck, N7BV
Programs, Chuck, N7BV, Janet, WA7JEP, and Bill, W7WEC
Health and Welfare, Chuck, N7BV, and Rich, N7NCN
Net Control, Becky, W7RJW

Committee reports:
Membership: Valerie KF7VAL. (Your illustrious secretary missed the numbers)
Technical –Bob, K6MBY gave an update on Ellis. We are still in discussions with the telephone company. Insurance is the major issue.
Chuck, N7BV. This year's field day will be simpler. Less antennas and sign ups for operating.
Tom KE7XX reported on the recent very successful Elwha drill. They need victims for their March 24th drill. To volunteer call Phil Slimko KE7KWB, 681-0970 or eMail him at SlimSequim@Q.com
Health and Welfare, Chuck, N7BV reiterated that if you know of any Club member who is sick, or worse, has died, please contact Chuck, N7BV, or Rich, N7NCN.

New Business: None

The meeting was adjourned at 2045.

Bill Carter, Secretary, CCARC

The Newbie Shack: Got RF? Not So Much Anymore
by David Hannon KE7TTT

As most of you know. I am pretty new and am stumbling my way around this amateur radio stuff. When I won the Yaesu FT-900 in the CCARC raffle, of course I now had to put up some sort of HF antenna. Fortunately we needed a 100+ ft. tree next to our house limbed up a bit, so I had the tree climber place a pulley system with plenty of line up about 75 ft. (Thank you George W7TTY for finding those nifty military surplus pulley systems.)

I wanted to get on the air as quick and easy as possible using "out of the box" equipment. (hey, i'm a newbie) I bought a G5RV antenna and hoisted the center of it up to about 65ft. facing South East. The two side wires come down in an inverted VEE and attach to the top of the fence in my backyard, giving me an angle of probably about 30 degrees or less. For good matching I bypassed the internal auto-tuner of the FT-900 and bought an LDG Z-11 Pro tuner and placed that indoors next to the transceiver.

I was soon advised, and also read, that I ought to have a 1:1 RF choke balun up near the antenna connector. I decided to go cheap on this and make my own by coiling about 18 ft of coax up near the antenna connection. I discovered this is also called an "ugly balun", and I found out why. See more about ugly baluns at this web site http://www.hamuniverse.com/balun.html

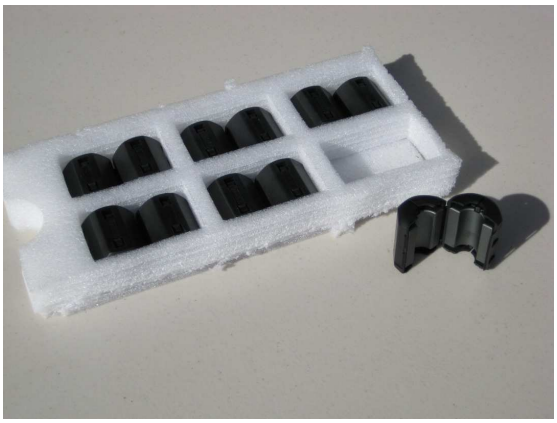
Bob K6MBY came over to assist me with this little project. We wound about 18 feet of coax around a piece of 5 inch PVC pipe about a foot long. We secured it with zip-ties and heavy duty duct tape. This is how it came out.

Immediately we were concerned about the weight pulling down on the twin-lead above and the size. This configuration was going to catch wind very easily. It was going to have to do for now, but we were right. In the couple of months that passed, it did become a bit of a sail and caused the coax and G5RV twin lead to wrap around the tree. I wanted to find a smaller and lighter weight alternative.

I vaguely remembered that another method of accomplishing the same thing was by the use of stringing ferrite cores onto the coax. Bob K6MBY emailed me some information about this technique. I found many ferrite cores on the Internet that were round doughnut shaped, but I didn't' want to cut off my Pl259 connector and put it back on again. I finally ran across this RadioWorks web site http://www.radioworks.com/crfi.html.

Here I found just what I was looking for! Ferrite .5 inch id cores that were split and able to be snapped onto the coax. I immediately ordered a set of six.

Continued page 10



On a sunny Saturday Val KF7VAL and I lowered the G5RV down, disconnected it and undid the ugly, heavy RF coax choke. The new ferrite cores snapped on easily and following suggested directions I placed them together where the coax connects to the antenna. I wrapped electrical tape around the coax and the bottom portion of the lowest ferrite core to prevent the group from slipping down the coax.

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I placed a couple of windings of electrical tape around each snap-on core to make sure the plastic snaps do not come undone. I then connected the down lead of the G5RV and sealed will with electrical tape to keep out moisture.

We hoisted the G5RV back up the tree to about 65 ft and secured it.

I must say I am very happy with the big reduction of weight hanging on the coax and the removal of that "sail" that kept the coax flapping in the breeze.

Continued from page 10—Got RF

That evening I went through the bands and used my LDG Z-11 Pro to retune. I am fairly sure I am now getting a much better SWR match than I was before. It also seems I am able to hear more distant stations clearer than before. But that could just be my imagination.

This newbie is quite happy with this little antenna retrofit. Although I had to spend some money, I would recommend the RadioWorks .5 inch snap-on ferrite cores to anyone.

So, Got RF? Nope, not so much anymore.

DUES TIME

It is time to prepare to re-up for the Clallam County Amateur Radio Club by submitting your 2010 Annual Dues of $20.00 You may begin bringing in your payments of Cash or Cheque (Payable to CC-ARC) to March's Meeting on the 10th. You may also mail them to:

CCARC
PO Box 2562
Sequim, WA 98382

Your dues will cover you (& your XYL, if not a licensed Operator) for the year. If you want a family membership where both FCC Licensed members will have voting privileges, please send in $30.00.

Members with dues not collected by the end of January 2010 will be removed from the Membership Roster & Distribution List(s).

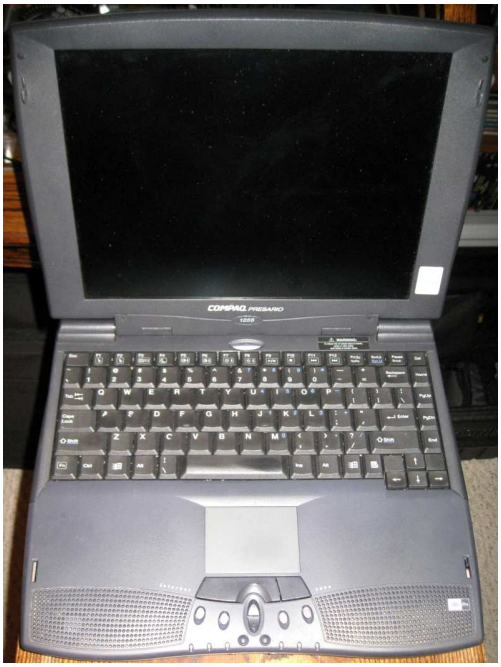
Thanks for all you do to make our Clallam County Amateur Radio Club such a Great Organization!

David R. McCoy, KE7JEJ
CC-ARC Treasurer
mccoy.d.r@olypen.com
360.457.8550

Club Committees

Technical Co-Chairs:	Bob Sampson, K6MBY Steve Debiddle, W6MPD
Membership Chair:	Valerie Hannon KF7VAL
Activity Chair:	Callie Kroll N7YMU
Program Co-Chair:	Janet Parris WA7JEP, Bill Carter W7WEC, Chuck Jones N7BV
Field Day Co-Chairs:	Dennis Tilton, AD7TV Al Fisk KD7TFK
PIO Chair:	Becky Winters W7RJW
Net Coordinator:	Becky Winters W7RJW
Health and Welfare:	Chuck Jones N7BV, Rich Golding N7NCN
Web Site:	Rik Scairpon, WX7RIK, David Hannon KE7TTT, Bob Sampson K6MBY, Al Popowski W7ALP

Compaq Presario 1255 laptop computer – $75



Battery does **not** hold a charge, but this laptop works just fine on AC. Includes:

- System documentation, restore disks, software licenses
- A brand new CMOS battery
- Kensington mouse
- AC Adapter power supply
- Rosetti leather laptop briefcase

Software Included:
Microsoft Windows 98 SE
Microsoft Word 97
Microsoft Encarta Encyclopedia 99
BitWare Fax
Microsoft Money 99
Microsoft Works 4.5
Rand McNally Tripmaker

This laptop works great!
Contest logger?

Full Specifications at
www.moonmoth.net/forsale/presario.pdf

Contact Rik Scairpon WX7RIK

PROGRAM FOR March 10th

Chuck Jones and Bill Carter on Computer Logging Programs.

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.

FOR SALE OR TRADE

FOR SALE

ICOM IC-718 HF Transceiver

Output: 100 watts
Receive: 0.03-29.999999 MHz
Transmit: 1.800-29.700000 MHz
Memory channels: 101
IC-FL-222 1.8KHz narrow SSB Filter
Used as backup very few hours.
As new in the box with mike all cables and instructions.
Current cost: Radio: $584.95
Filter: $189.95
Asking $525.00 firm

Chuck McGilvra N7HFL 457-3051

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FOR SALE ICOM IC-28H 2 METER AMATEUR MOBILE TRANSCEIVER
$90.00 Call Ernie W7EWG 808-6668

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For Sale

I have three 2mtr xceivers for sale

Clegg FM 27B with Manual. $60.00

ICOM IC-211, 10 Watt Mobile or Base with manual. $60.00

ICOM IC-229H, 50 Watt, Mobile, with manual. $60.00

contact Jim Cloud, W7LDM, 457-9299

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FROM OUR TREASURER:

As of February 28th, 2010:

First Federal Savings & Loan of Port Angeles Balance: $ 8,933.05
Outstanding Cheques: - 5.00
Checkbook Balance: $ 8,928.05

BIRTHDAYS:

Abbott, Dan	N7DWA	Mar-09
Smith, Michael B.	K7MBS	Mar-09
Klaus, Jeffery T.	KA9LDW	Mar-14
Hannon, Valerie A.	KF7VAL	Mar-19
Dove, Barry C.	KE7WGO	Mar-20
Wheeler, Diane M.	KE7TTI	Mar-23
Newcomb, Tom	KE7XX	Mar-24
Pearson, Robert B.	W6FEH	Mar-28
Sipes, Gay L.	KC7OEZ	Apr-03

Franklin, Patricia (Michael, KE7SLI)
Mar-05
Hutchinson, Paula (George, W7TTY)
Mar-14
Sudela, Linda (Francis, KE7GIX)
Mar-14
Fisk, Diane (Albert, KD7TFK)
Mar-18
Barrett, Kathleen C. (Warren, KC7VXT)
Apr-04

Happy Birthday!

COMING EVENTS

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There are no Hamfests or Conventions within 100 miles in March

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Mike and Key was March 6th

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

None

NEXT YL LUNCHEON
Gordy's Pizza—Port Angeles
March 12th

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!

2010 YL Luncheons:

2010 - CCARC Ladies Luncheon Schedule
Reservations are made for 11:30 - 2nd Friday of each month

January -Bushwhacker - 1527 East 1st St. - Port Angeles
February - Old Mill Cafe - 721 Carlsborg Rd. - Carlsborg
March - Gordy's Pasta and Pizza - 1123 E. 1st - Port Angeles
April - Oak Table - 292 W. Bell - Sequim
May - Downriggers - 115 E. Railroad Ave. - Port Angeles
June - Mariner - 707 E. Washington - Sequim
July - Toga's - 122 W. Lauridsen Blvd. - Port Angeles
August - Tarcisios - 609 W. Washington - Sequim

Description	Time/Date	Location	Contact
Clallam County ARES/RACES meeting	7 pm, first Tue of every month	Clallam County Courthouse EOC, 223 E. 4th St., PA	Dan Abbott N7DWA 360-582-3824
Clallam County Amateur Radio Club general meeting	7 pm, second Wed of every month	Olympic Hospital Linkletter Room, PA	Tom Newcomb KE7XX 360-452-8228
Clallam County Amateur Radio Club social breakfast	8 am, first Sat of every month	Joshua's Restaurant Hwy. 101 & Del Guzzi Dr.	Tom Newcomb KE7XX 360-452-8228
Clallam Country Amateur Radio Club YL social lunch	11:45 am 2d Fri of every month	Rotates - announced on Thursday night Net	

CLUB OFFICERS For 2010

President: Nita Lyman KE7DRT 360-457-5022 Nita_lyman@yahoo.com

Vice President: Dennis Tilton AD7TV 360-452-1217 3tiltons@wavecable.com

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

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

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

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

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