

THE REGULAR MONTHLY MEETING OF THE JARC WILL BE HELD ON HELD ON
WEDNESDAY,
March 2ND AT 7:30PM

NEWSLETTER
of the
Juneau Amateur Radio Club
KL7JRC

2011 JARC Club Officers:

President	AL7L
Pat Moore	
V.P.	WL7BKA
Dave Bruce	
Secretary	KL0KZ
Sam Smith	
Treasurer	KL2QZ
Rich Anderson	
VHF Chair	KL7HFI
Jerry Prindle	
Past President	KL1AS
Jack Gregson	
Board Member at Large	
Kate Glover	

In Brief:

. Bill Heuman will provide the program for our March meeting. Bill and Marjorie have been cruising on their sailboat in the South Pacific for the last two years, and have had some very interesting experiences. Bill will talk about their use of communication equipment on board their boat, while away from Juneau. This should be a very interesting program.

. A special election was held for Treasurer and for Board Member. Rich Anderson was elected Treasurer by acclimation and Kate Glover was elected Board Member at Large by acclimation.

. The Juneau Outdoor Safety Event will be held at the Nugget Mall on April 2nd. Jack Gregson will be the Committee Chairman for this event. This is the same event that was held last year at Centennial Hall.

. Vice president Dave would like to remind everyone to get their membership dues in as soon as possible. The dues go in part to maintain the repeater system open to all licensed amateurs, the annual meeting, dinner, and awards, Field Day, licensing exams, Post Office Box, Postage, Website, and miscellaneous costs during the year. We have an ambitious program for this year and need the revenue. If you have any ideas for raising money for these and other future projects please pass your ideas on to any Board member. Encourage any amateurs not now members to consider joining. QRZ indicates there are approximately 140 licensed amateurs in the

Juneau area with whom we have no contact. Let's see if we can reach them.

- . Pat will meet with Kim Custer of the National Weather Service to work out operating agreements related to our Club Station.

- . Pat and Jerry will put together a grant request to the Anchorage Amateur Radio Club to provide our Club with funds to help us repair several of our repeaters.

- . Pat and Jack made a request for volunteers to assist with VE duties related to the upcoming license classes.

- . Jerry and Pat will teach license classes for Technician, General Class and Amateur Extra Class to interested hams. Classes will begin on Saturday 2/12 for Technician, on Saturday 3/5 for General Class and on Saturday 4/9 for Amateur Extra. See Details.

- . See the interesting article and picture concerning destruction of the Matanuska Radio Club's communication trailer. See link: <http://www.adn.com/2011/01/18/v-gallery/1655154/wind-destroys-radio-clubs-emergency.html>

Wednesday Lunchtime Meetings:

We have had 8 to 10 members at our Wednesday lunch meetings. The informal lunch meetings continue to take place at the Safeway Deli at noon every Wednesday. There is a great selection of sandwiches and soups. Come join us!

Membership:

Bob Simpson reports that we now have 38 paid members at meeting time. We are now accepting dues for the 2011 term. Membership information is available at monthly meetings and on our web site.

\$36.00 for an individual membership including one autodial number, plus

\$12.00 for any number of additional family members;

\$10.00 for reverse patch and mailbox;

\$5.00 for each additional autodial numbers; and

\$10 for a youth membership.

Please bring your dues to the Annual meeting or mail to:

Juneau Amateur Radio Club

P.O. Box 35484

Juneau, Alaska 99803-5484

Attn: Treasurer

The Club needs your active participation and dues.

ARES Activities: Participation in the ARES Net has been excellent. Let's keep it up through the winter months. The net meets on the Mt Roberts repeater each Tuesday at 7PM, or on Larry's repeater at 147.30. It only takes about 10 minutes and provides good practice for any events that could

overwhelm our community. The Northern Southeast Alaska Amateur Radio Emergency Service (ARES) net operates with participation from Haines, Gustavus, and Juneau. The purposes of this net are to check on the readiness of ARES members and their equipment, to make announcements pertaining to amateur radio, to conduct informal training and to give members experience in managing a net. All are welcome to check in. We hope to see you on the radio!

Tell us your new E-mail Address: Sam Smith, KL0KZ, our Newsletter editor has been sending out our Newsletters electronically to the 95 percent of our membership who use Email. Please contact Sam at <mailto:ssmith@ptialaska.net> ssmith@ptialaska.net or at <mailto:sam@borealcontrols.com> sam@borealcontrols.com if you obtain a new e-mail address.

The Newsletter: We are frequently able to include articles and information by Club members, which are far more interesting than the usual dry information produced by the editor. If you have time to put something together that would interest the membership, please send by e-mail to <mailto:ssmith@ptialaska.net> ssmith@ptialaska.net or at <mailto:sam@borealcontrols.com> sam@borealcontrols.com. We will edit it for you; so don't hesitate to send something to us. The appropriate length is less than one page.

Club Web Site: The Club is looking for help keeping our web site working. If you have the skills or interest in taking over as our web master give Pat or one of our other officers a call. An archive of past Newsletters, Club Minutes and ARES information will be available on the site. It will also provide an excellent opportunity for selling used radio equipment. The URL is <http://www.qsl.net/jarc/> <http://www.qsl.net/jarc/>

Repeater Status: Jerry has finished the new repeater guide. We will make them available on line to Club members as soon as I have an electronic copy. The new controller has been installed at Lena Pt. Linking is now functional to all Club Repeaters.

REPEATER LOCATION

H-T FREQUENCY

CONDITION

Mt. Roberts Tramway

R146.82/T146.22

The repeater is operating properly, and is linking weakly with the other repeaters. - A new duplexer and antenna needs to be installed next summer.

Lena Point

R147.00/T146.40

Repeater is operating well since the new controller was installed. The old linking antenna is still being used and is linking with all of the Club's repeaters.

Mendenhall Valley Repeater (formerly Heinzelman Ridge)

R146.64/T146.04

System is located at Jerry's home in the Valley. It is operating properly.

Hoonah Mountain

R146.70/T146.10

Repeater is now functioning, although the signal is a little weak.

Petersburg/Duncan Canal

R147.36/T146.76

Equipment has not yet been installed

Haines Repeater

R147.06/T147.66

Functioning, but with some problems.

Skagway Crossband

440 mHz band

Functioning

State Repeater

R147.30

Functioning - needs some adjustment

INTERESTING CONTRIBUTIONS:

* Would like to remind everyone to get their membership dues in as soon as possible. The dues go in part to maintain the repeater system open to all licensed amateurs, the annual meeting, dinner, and awards , Field Day, licensing exams, Post Office Box, Postage, Website,, and miscellaneous costs during the year. We have an ambitious program for this year and need the revenue. If you have any ideas for raising money for these and other future projects please pass your ideas on to any Board member. Encourage any amateurs not now members to consider joining. QRZ indicates there are approximately 140 licensed amateurs in the Juneau area with whom we have no contact. Let's see if we can reach them. Dave Bruce

. Space weather disrupts communications, threatens Other technologies:

A powerful solar flare has ushered in the largest space weather storm in at least four years and has already disrupted some ground communications on Earth, said University of Colorado Boulder Professor Daniel Baker, an internationally known space weather expert.

Classified as a Class X flare, the Feb. 15 event also spewed billions of tons of charged particles toward Earth in what are called coronal mass ejections and ignited a geomagnetic storm in Earth's magnetic field, said Baker, director of CU-Boulder's Laboratory for Atmospheric and Space Physics. Such powerful ejections can cause a variety of socioeconomic and safety issues ranging from the disruption of airline navigation systems and power grids to the safety of airline crews and astronauts.

"The sun is coming back to life," said Baker, who chaired a 2008 National Research Council committee that produced a report titled "Severe Space Weather Events -- Understanding Societal and Economic Impacts." For the past several years the sun has been in its most quiescent state since early in the 20th century, said Baker.

From a scientific standpoint a class X event -- the most powerful kind of solar flare -- is exciting, said Baker, also a CU-Boulder professor in the astrophysical and planetary sciences department. "But as a society, we can't afford to let our guard down when operating spacecraft in the near-Earth environment."

According to the National Oceanic and Atmospheric Administration, several more coronal mass ejections may reach Earth's atmosphere in the next day or

two.

"Human dependence on technology makes society more susceptible to the effects of space weather," Baker said. "But scientists and engineers have made great strides in recent decades regarding this phenomenon.

"We understand much more about what is happening and can build more robust systems to withstand the effects," Baker said. "It will be interesting to see how well our technological systems will withstand the rigors of space weather as the sun gets back to higher activity levels."

. Alaska QSL Bureau: For those just getting into the ham world, you should know Alaska has its own QSL bureau. This bureau receives and distributes to Alaska hams, QSL cards sent to us through the ARRL QSL system. The Alaska Bureau is run by Roger Hansen, KL7HFQ, P.O. Box 52043, Big Lake AK 99652-0343. This is one of three primary ways to receive QSL cards. The other two are electronic QSLs and Post Office. The bulk of my QSL cards come through the Alaskan Bureau.

If you are at all interested in receiving cards it would be wise to set up an account. It is quite simple. All you need to do is send Mr. Hansen some funds-suggest at least \$10.00, your name call sign, and address. If you are a family you may list all of your call signs and names. Send this information to Mr. Hansen at the address above. He provides this service for the cost of the postage and envelopes.

Remember, you distribute your outgoing QSL cards through the electronic QSL site, US mail or to the ARRL outgoing Bureau in Newington CT. For information on the ARRL service go to <<http://www.arrl.org/qs1>> www.arrl.org/qs1 . Dave Bruce

. Amateur Radio Station at Weather Bureau: Recently I stopped at our station in the Weather Bureau. I found several unopened letters, one from last October, and a number of QSL cards. Checked the log and found only three or four entries. It seems the station has been used and people are not entering contacts into the log. As a result a number of hams will not be receiving credit for contacts. Any licensed club member may use this station (within their licensed frequencies), all we ask is that you sign the register at the main desk, complete the station log, fill out the QSL cards for contacts, and put in the club outgoing mail box. We will send them to the ARRL outgoing bureau from time to time. Dave Bruce

. American Radio Relay League Membership: The JARC maintains an "affiliation" with the ARRL. This provides us with certain benefits. In order to maintain this status at least 50% of our club must be active ARRL members. Currently, we are in good standing. We would like to encourage you to be a member of the ARRL. The League does many things for our benefit, most of all they help protect the band spectrum we use. If you are a member and your spouse is also a ham, the spouse can be a member for just another \$8.00. Please take advantage of this. It will help keep up our membership percentage. Dave Bruce

. Alaskan Hams: According to QRZ.com as of 2/16/2011 Alaska has 3742 licensed call signs. What would it be like if they all got on the air at once? Dave Bruce

. Ham Radio For Teens: The March edition of QST has a brief mention of a website for teens. It is located at

<<http://www.radioforteens.com/>> www.radioforteens.com . and appears to be a site by a teen. Dave Bruce

. Elmering: At a recent Board meeting our President, Pat Moore, indicated he would like to see us "Elmering" young people who obtain their ham license. He wants it to be our goal to get them on the air before they are lost to the hobby. If anyone is interested in participating in this effort contact Pat Moore and find out how you can be part of this effort.

It appears one of the reasons we lose young hams is because of the high cost of obtaining necessary equipment to get started. If anyone has an unused transceiver capable of 10 meters or higher that still works we'd like to ask you to consider donating it to the club to be passed on to a newly licensed amateur radio enthusiast. If you know of anyone, a lapsed amateur, whose equipment is just collecting dust please talk to them about donating. Any other equipment such as; tuners, coax, antennas and antenna wire would be appreciated. As we are a non-profit organization I believe any contributions would be tax deductible.

It has been my experience that these young people are some of the best coming along these days and we don't want to lose them. Dave Bruce

* JARC Offers Licensing Classes (Repeated from previous Newsletter)

* The Juneau Amateur Radio Club will be offering a series of three licensing classes this spring. Beginning Monday evening, February 7, Jerry Prindle, KL7HFI, will offer a series of six classes that will lead up to the examination for the Technician class license. The classes will meet from 7-9 p.m. Monday and Wednesday evenings and Saturdays from 9 a.m. to noon. A VEC testing session will be held Saturday afternoon, February 19, following the last class in the series.

* Jerry and Pat Moore, AL7L, are currently seeking a meeting place for the classes. They hope to get permission to hold the sessions at the NOAA Weather Station, since it allows easy access to WL7NWS, the club's operational ham station, and its antenna farm for demonstrations.

* Following the Technician class, Jerry and Pat Moore, AL7L, plan to co-teach a class leading to the General class license exam beginning Monday, February 28. The series will follow the same pattern as the Technician classes, meeting Monday and Wednesday evenings and Saturday mornings. A VEC testing session will be held following the last class on March 12.

* On March 28, Pat and Jerry will begin teaching a course designed to lead to the Extra Class license. The class will meet 12 times on Monday and Wednesday evenings and Saturday mornings. A VEC testing session will be held April 23, following the last Saturday morning meeting of the Extra series.

* There will be a small fee to cover the cost of course materials. The club plans to place a bulk order for the books to be used for each series of classes. Jerry and Pat ask that everyone interested contact Pat at 523-9317 or AL7L@ARRL.net as soon as possible, so they can order copies of The ARRL

Ham Radio License Manual, 2nd Edition which will be used as a text for the first series of classes.

* The ARRL General Class License Manual and The ARRL Extra Class License Manual will be the texts for the other two class series. JARC will be placing a bulk order for each text prior to the start of each series of classes, so letting Pat know you're interested would help build that list.

Pat Moore

Thanks: Dave and Pat, Thanks for your interesting articles! The Editor

Minutes of the REGULAR MONTHLY MEETING ON FEBRUARY 2, 2011

Call to order: 1930 hours By Pat Moore

Attendance on February 2, 2011: Jack Gregson KL1AS, David Bruce WL7BKA, Pat Moore AL7L, Jerry Prindle KL7HFI; Sam Smith KL0KZ; Joe Johnson KL2ZS; Rich Anderson KL2QZ; Howard Shepherd AL7BP; Bob Simpson NL7XZ; Charlie Gray KL7IG; Rob Cadnos and Kati Glover.

Secretary's Report: Minutes for the Annual Meeting were approved as presented.

Treasurer's Report: Jack reported that the total amount in the bank account is approximately \$3,925.

Membership Report: Bob Simpson reported that our current paid membership is 38.

VE Report: There will be a series of license classes held beginning on February 12th. See new business.

VHF Chair Report: Jerry reported that he had inspected the new mobile tower and generator, and that it is in excellent condition although new batteries are needed for the generator. The vehicle is parked at the Alascom site at 11 mile. Jerry has some experience with mobile tower operation and will be able to conduct training.

The Valley repeater is functioning properly.

Old Business:

. Pat reported that he has received the 3-band FTM-350 R/E transceiver for installation at the NWS Station. He also determined that the existing VHF antenna is a three-bander (2m, 220Mz and 440Mz).

. A special election was held. Rich Anderson was elected Treasurer and Kate Glover was elected Board Member at Large.

New Business:

- . The Club will participate in the annual Outdoor Safety Event to be held at Nugget Mall on April 2nd. Jack Gregson will Chair our participation in the event. The CBJ contact is Craig Duncan.
- . The membership moved, seconded and passed that we spend \$150 for a banner with our Club call sign.
- . Sam advised the membership that we have applied for a liability insurance quote for Club activities.
- . The CBJ Port Director, John Stone, has requested assistance with their VHF communication system. Jack and Jerry will help them.
- . The membership approved Pat's request to make Kim Custer a Club member since he is the custodian of the NWS call sign for the station. He and Pat will work out an operating agreement.
- . Charley will set up a headphone setup for the Club station to avoid having to use the loud speaker in the NWS work area.
- . Pat and Jerry will put together a grant request to Jim Wiley of the Anchorage Amateur Radio Club to repair our repeater system. The amount of the request will be about \$6,500 plus the cost of new batteries.
- . We will approach Sean Caughran, KL1NU, to be our web master.
- . Pat will request Ernie Mueller to be our liaison with the Boy Scouts.
- . Pat announced our schedule for HAM classes.

Technician Class: 8 sessions beginning 2/12 on Sat 10am -4pm and Mon. and Wed. evenings from 7-9pm. Sessions to end on Mon. evening 2/28 with the exam.

General Class: Same Schedule beginning 3/5 and ending 3/21.

Amateur Extra Class: Same Schedule beginning 4/9 and ending 5/2.

- . Pat requested volunteers to assist Jack and Jerry with VE duties.
- . Howard Shepherd, AL7BP, will be Chair of the Repeater Committee.
- . Letters are being sent to all other HAMs in the Juneau area advising them of our activities and interest in their participation in Club activities.

Meeting Adjourned: 8:40 pm.