### Juneau Amateur Radio Club, Inc. KL7JRC

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## JARC MEETING WEDNESDAY JUNE 6TH AT WEATHER SERVICE OFFICE ON BACK LOOP ROAD - 7:30 PM

# NEWSLETTER of the Juneau Amateur Radio Club KL7JRC

June 2, 2004

JARC 2004 Club Officers:

President KL7DP Dave Palmer
Vice President KL1AS Jack Gregson
Secretary KL0KZ Sam Smith
Treasurer WL7WB Paulette Sill
VHF Chair AL7BP Howard Shepherd
Past President KL1AS Jack Gregson

The regular monthly meeting of the Juneau Amateur Radio Club will be held at the National Weather Service Office on the Back Loop Road at 7:30 PM on Wednesday, June 2, 2004.

#### In Brief:

Paid membership as of our May meeting was 58, which is still below the number last year at this time. This is a great time to send in your dues so we can determine our

level of funding available for our repeater system.

ARRL Field Day will occur from 1800 UTC June 26 to 2100 UTC June 27. That s 10AM Saturday to 1 PM Sunday. Charlie is planning to bring a 500-watt amp for our main position. This should help us blast out of the black hole here in Juneau and allow us to have more success on SSB. This should be a great opportunity for new members and those of us with low power rigs to see how it can work. We will need help setting up on Friday and tearing down on Sunday. We need volunteers to help with food, equipment etc. We will firm up plans at our June meeting. We need someone to help with publicity to bring people out that might have an interest in the hobby.

We re trying to increase interest in using the Repeater system. There will normally be activity at 7 PM each night. Also, you might get into the habit of monitoring your radio and join in the chatter. During the summer we have had quite abit of interest from tourists. Let s demonstrate that we are a friendly group.

- The annual picnic will be held on August 7 from 4 to 8 PM at the Sandy Beach Shelter. We need help cooking and organizing for this event. Charlie volunteered to come up with an AM transmitter that we can use for a fox hunt. Should be fun!!
- Fourth of July is coming up soon. We will again be helping the Festival committee at the staging area. See Jack or Sam if you can help out.
- The June meeting will be our last meeting until September. However, your Newsletter editor will send out short monthly Newsletters throughout the summer to keep you in touch with important happenings.

#### **VE Report:**

There were no license exams given during May. If anyone contacts you about a schedule, Jerry has indicated that he will work around other folk s schedules. So you should contact him on the air or at his local telephone.

#### **VHF Report:**

The signal between Mt Roberts and Lena Point is better, and will improve when the antenna location at Lena is moved to its final location on the main tower. The Alascom folks will move it up when they are doing other projects on the tower, which will occur sometime later this summer. The Petersburg repeater is not yet functional, but there is a high probability that it will happen during June. We II send out another e-mail when this happens. Jerry is helping with installation of a cross-band repeater for Skagway. This will allow use of 440 mHz transceivers in Skagway through a 2 meter link with Mt Rapinski. This should also happen this summer.

**Wednesday Lunchtime Meetings:** We ve been having about 15 members at our Wednesday lunch meetings. The informal lunch meetings continue to take place at the Atrium Café in the Jordan Creek Mall at noon every Wednesday. This is a great way to keep in touch.

**Time to Reenlist:** Summer is here and our membership is a bit below where we would like to see it. Your Club has been very active and careful stewards of the dues money paid into the Club treasury. Most of the money has been spent keeping up the VHF repeater network and in providing new repeaters. The Club has also supported the purchase of educational materials for new amateur radio licensees, and we have offered scholarship prizes for high school students at the annual science fair. Any major projects such as the communication vehicle will be funded out of special grants. We have not used any Club dues in support of this project

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except for the license.

Applications are available at monthly meetings and on-line at . Annual membership dues are:

\$36.00 for an individual membership including one autodial number, plus \$12.00 for each additional family member; \$10.00 for reverse patch and mailbox; and \$5.00 for each additional autodial numbers.

ARES Activities: ARES Net meets on the Mt Roberts repeater each Tuesday at 7PM, although you can check in through any of the operating repeaters. The Northern Southeast Alaska Amateur Radio Emergency Service (ARES) net operates with good participation from Hoonah, Haines, Gustavus, and Juneau every Tuesday at 7:00 PM. 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 90 percent of our membership who use Email. Please contact Sam at ssmith@ptialaska.net if you obtain a new e-mail address.

The Newsletter: The Editor of your Newsletter continues to search for interesting information from Club members that can be used in 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 ssmith@ptialaska.net. 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 s website is The site is maintained by Mike Caughran. An archive of past Newsletters, Club Minutes and ARES information are available on the site. It also provides excellent exposure for selling used radio equipment.

Repeater Status: Following is the status of repeaters in the Juneau area, which are available for use by Club members and out of town guests. For additional information on the Club s network of repeaters see the 2004 JARC Repeater Guide. With the change in weather conditions, the Mt Roberts repeater is now linking to Lena Point. The link is not perfect now, but should improve considerably when the antenna at Lena is moved up on the tower.

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REPEATER LOCATION	CONDITION

Mt. Roberts Tramway

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R147.00/T146.40 Opera

Lena Point

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Opera R146.64/T146.04 Heinzelman Ridge

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Petersburg/Duncan Canal R147.36?T146.76is near

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R147.06/T147.66 and lin Haines Repeater

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Skagway Crossband 440 mHz band

not ye establ

(Receive and transmit frequencies refer to your hand held transceiver)

Date: Sun, 02 May 2004 20:48:42 -0800

To: drpochoa@gci.net

Hoonah Mountain

From: "Sam Smith" <ssmith@ptialaska.net> Subject: JARC NEWSLETTER AND MEETING ANNOUNCEMENT

#### **JARC MEETING THIS WEDNESDAY MAY** 5TH AT 7:30 PM

**NEWSLETTER** of the Juneau Amateur Radio Club

#### **KL7JRC**

May 5, 2004

JARC 2004 Club Officers:

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Secretary KL0KZ Sam Smith
Treasurer WL7WB Paulette Sill
VHF Chair AL7BP Howard
Shepherd

Past President KL1AS Jack Gregson

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#### In Brief:

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Current paid membership is 54, which is slightly below the number last year at this time. Bob Simpson expects that we ll have another 10 or more members by summer. This is a great time to send in your dues so we can determine our level of funding available for our repeater system and our communications vehicle. We have many active projects and they all require funds that come predominantly from Club dues.

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ARRL Field Day will occur from 1800 UTC June 26 to 2100 UTC June 27. That s 10AM Saturday to 1 PM Sunday. We will need help setting up on Friday and tearing down on Sunday. We need volunteers to help with food, equipment etc. We will firm up plans at our June meeting. We may want to consider publicity to bring people out that might have an interest in the hobby. Our last VE exam was held on February 28th. We didn t have any takers in March or April so we may need to beat the bushes a bit.

• Several members built VHF/UHFJ-Pole antennas at our April meeting. It was a good

activity and we are looking forward to signal reports.

• We re trying to increase interest in using the Repeater system. There will normally be activity at 7 PM each night. Also, you might get into the habit of monitoring your radio and join in the chatter. During the summer we have had quite abit of interest from tourists. Let s demonstrate that we are a friendly group.

#### **VE Report:**

There were no license exams given during April. If anyone contacts you about a schedule, Jerry has indicated that he will work around other folk s schedules. So you should contact him on the air or at his local telephone.

#### **VHF Report:**

Although the signal between Mt Roberts and Lena Point is not very strong now, it will get better when the antenna location at Lena is moved to its final location on the main tower. Jerry thought that the antenna at Lena will be raised within the next couple of weeks. The Petersburg repeater is not yet functional.

Wednesday Lunchtime Meetings: We ve been having about 15 members at our Wednesday lunch meetings. It s good to see snowbirds Bob Dewey and Glen Sicks back in Juneau. The informal lunch meetings continue to take place at the Atrium Café in the Jordan Creek Mall at noon every Wednesday.

Time to Reenlist: Summer is nearly here and our membership is a bit below where we would like to see it. Your Club has been very active and careful stewards of the dues money paid into the Club treasury. Most of the money has been spent keeping up the VHF repeater network and in providing new repeaters. The Club has also supported the purchase of educational materials for new amateur radio licensees, and we have offered scholarship prizes for high school students at the annual science fair.

Applications are available at monthly meetings and on-line at . . Annual membership dues are :

\$36.00 for an individual membership including one autodial number, plus \$12.00 for each additional family member; \$10.00 for reverse patch and mailbox; and \$5.00 for each additional autodial numbers.

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

Juneau Amateur Radio Club P.O. Box 35484 Juneau, Alaska 99803-5484 Attn: Treasurer

If you haven t sent in your dues, this would be a great time to do it. We will also accept your dues at our Wednesday meetings or the regular monthly meetings. Your Club needs the income.

ARES Activities: ARES Net meets on the Mt Roberts repeater each Tuesday at 7PM, although you can check in through any of the operating repeaters. The Northern Southeast Alaska Amateur Radio Emergency Service (ARES) net operates with good participation from Hoonah, Haines, Gustavus, and Juneau every Tuesday at 7:00 PM. 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 90 percent of our membership who use Email. Please contact Sam at ssmith@ptialaska.net if you obtain a new e-mail address.

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REPEATER	Н-Т	CONDITION
LOCATION	<b>FREQUENCY</b>	CONDITION

Mt. Roberts Tramway	R146.82/T146.22	Operating normally linking to Lena, although not a great signal.
Lena Point	R147.00/T146.40	Operating normally antenna not in final location.
Heinzelman Ridge	R146.64/T146.04	Operating normally
Hoonah Mountain	R146.70/T146.10	Operating normally antenna not in final location.
Petersburg/Duncan Canal	R147.36?T146.76	New equipment is nearly ready for installation.
Haines Repeater	R147.06/T147.66	Functioning and linked to Juneau

(Receive and transmit frequencies refer to your hand held transceiver)

#### **Equipment For Sale:**

ICOM W21AT dual band HT (2 meter/70 cm), two "AA" battery pacs, manual \$150.

ICOM T21A HT (2 meter TX/RX, 70 cm RX), two "AA" battery pacs, manual \$100

Contact Bob Dewey WL7QC @789-7662 for more info. Both radios will be available for inspection at the May JARC monthly meeting.

- · Current paid membership is 54, which is slightly below the number last year at this time. Bob Simpson expects that we Il have another 10 or more members by summer. This is a great time to send in your dues so we can determine our level of funding available for our repeater system and our communications vehicle. We have many active projects and they all require funds that come predominantly from Club dues.
- The high school Science Fair was held on Friday and Saturday, March 5th and 6<sup>th</sup> at the Marie Drake gym. Exhibits were open to the public on Friday from 6:30 to 8:00 PM. The Club offered a prize of \$100 plus the ARRL license study book, Now You re Talking for the best project involving radio communications. Mark Miles and Sam Smith were present to judge the entries. Unfortunately, there weren t any projects that qualified for the Club prize. In an effort to increase interest in radio and electronics, Sam Smith has volunteered to meet with the high school physics teacher. He hopes to increase the opportunities for students to pursue projects that emphasize radio communication or related subjects. It s evident that there is little emphasis on these subjects in the present curricula. Let Sam know if you have any ideas.
- · Our last VE exam was held on February 28<sup>th</sup>. Doug Alsip passed his Extra Class license exam and Phil McRee passed his General Class exam. Congratulations!!!!!!
- Rich Lestor donated a very nice Cushcraft R4 HF vertical antenna to the Club for field day and other activities. Thanks alot Rich. Good luck in Austen!
- Mike Caughran presented a very interesting program on free software available for various types of digital communication

modes and DSP using PC sound cards. A good web site for links to Hellschreiber software is

• Our treasurer advises that the Club bank balance on March 3<sup>rd</sup> was \$922.13.

**Antenna Party:** Following the April business meeting, Joel Gilbert will lead a presentation for fabricating a copper J Pole base antenna for use on 2m and 70cm. The web site where information on this design may be found is:

We will discuss the copper J pole concept, cut the copper, and put one or two antennas together. Required soldering will be done outside

Anybody interested in building an antenna needs to bring:

110 foot section of schedule M ½" copper tubing

1½" copper elbow

1½" copper Tee fitting

2½" copper end caps

1SO-239 panel mount coaxial fitting (optional) 2½" to 1" stainless steel hose clamps (used to

attach coax)

1roll of coax, length is dependant upon your run (optional)

- 1 ½ cu sweat to thread
- 1 42 length of 3/16 or ½ soft copper tubing.
- 1 ½ dia. x 9 long wood dowel

Please bring the following tools, if you can:

Tape measurer

Tubing cutter

Propane torch

Solder and flux

Electrical tape

Caulking compound

Screwdriver

Steel wool or Scotch Brite pad to clean all the copper

Spray can of clear exterior lacquer

Wire stripper for coax

Please feel free to bring additional tools or parts if you have other ideas.

We won't be able to do any soldering or cutting inside the NWS Office. However, we will have a box truck available to do any fabrication work.

**VE Report:** There were no license exams given during March.

VHF Report: Mount Roberts is now linking to the repeater network since the reduction of snow on the ground. Although the signal is not very strong now, it will get better when the antenna location at Lena is moved to its final location on the main tower. The Haines repeater is now functioning on our VHF system. However, the Canadian portion of the linking is not yet functioning. The Lena Point repeater is fully functional, but with a temporary antenna. The Petersburg repeater is not yet functional.

Wednesday Lunchtime Meetings: The informal lunch meetings continue to take place at the Atrium Café in the Jordan Creek Mall at noon every Wednesday. The new café food service provides a good selection of soup and sandwiches.

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Н-Т

LOCATION FREQUENCY		
Mt. Roberts Tramway	R146.82/T146.22	Operating normally linking to Lena although not a great signal.
Lena Point	R147.00/T146.40	Operating normally antenna not in final location.
Heinzelman Ridge	R146.64/T146.04	Operating normally

Hoonah Mountain R146.70/T146.10 Operating normally antenna not in

final location.

New equipment is nearly ready for

Petersburg/Duncan Canal R147.36?T146.76 installation.

CONDITION

Haines Repeater R147.06/T147.66 Functioning and linked to Juneau

(Receive and transmit frequencies refer to your hand held transceiver)

## THE NEXT MEETING OF THE JARC WILL BE HELD WEDNESDAY, MARCH 3RD AT THE NOAA WEATHER STATION AT 7:30 PM

NEWSLETTER
of the
Juneau Amateur Radio Club
KL7JRC

REPEATER

#### JARC 2004 Club Officers:

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VHF Chair AL7BP Howard Shepherd
Past President KL1AS Jack Gregson

The regular monthly meeting of the Juneau Amateur Radio Club will be held at the National Weather Service Office on the Back Loop Road at 7:30 PM on Wednesday, March 3, 2004. Mike Caughran, KL7R, will present a program on software for amateur radio.

#### In Brief:

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The Annual Meeting and banquet was held at St Brendans Church on January 24<sup>th</sup>. New Club officers were elected. We had a great gourmet supper prepared by Jerry Prindle. See the following story.

The very nice Icom IC-T7H FM Transceiver, main door prize, was won by Bob Dewey, WL7QC. Congratulations Bob!!! See the following story for a list of the other great prizes awarded at the banquet.

Congratulations to the 2003 Officers elected at the meeting. President: Dave Palmer, KL7DP, Vice President: Jack Gregson, KL1AS, Secretary: Sam Smith, KL0KZ, Treasurer: Paulette Sill, WL7WB and VHF Chairman: Howard Shepherd, AL7BP. Many thanks to last years officers.

Current paid membership is 48, which is slightly below the number last year at this time. Bob Simpson expects that we ll have another 20 or more members by summer. This is a great time to send in your dues so we can determine our level of funding available for our repeater system and our communications vehicle. We have many active projects and they all require funds which come predominantly from Club dues.

The JARC website has moved to

Mike Caughran is our new webmaster. Many
thanks to Jon Newstrom, KL7GT, for getting the website up and running nearly six years ago, and for his
financial and technical support of this important Club presence during that time. Although Jon is currently
located in the Seattle area we hope that he will visit us now and then in person or on the air. Jon can be
reached by e-mail at jon@newstrom.com. Thanks again Jon and good luck!!!

• The high school Science
Fair is to be held this Friday and Saturday, March 5th and 6th at the Marie Drake gym. Exhibits are open to
the public on Friday from 6:30 to 8:00 PM. The Club is offering a prize of \$100 plus the ARRL license
book, Now You re Talking for the best project involving radio communications. We will have Club
members present to judge the entries. In looking over the list, it
electronics around. It is evident that
there is little emphasis on these subjects in the present curricula. We need to come up with a plan.

#### **Annual Meeting:**

The annual meeting and banquet of the Juneau Amateur Radio Club was held on January 24<sup>th</sup> at St. Brendans Church on Glacier Loop Road. The events of the day included a gourmet supper, prize drawing and meeting including election of officers.

Under the expert direction of Chef Jerry, KL7HFI, 50 members and their guests enjoyed the main course of prime rib and potatoes. Members brought a great selection of desserts, salads and other side dishes.

We had a great slate of door prizes this year. Bob Dewey, WL7QC, won the Grand Prize of an Icom T7H hand-held transceiver. Repeater Directories were won by John Furuness, WL7PW, and Bob Matson, WL7QE. Hints and Kinks won by Howard Reese, KL7WC. Antenna Handbook won by Frank Hall, AL7HF. RSGB Radio and Electronics Cookbook won by Jerry Prindle, KL7HFI. RSGB Technical Compendium won by Steve Byers, KL1MB.

The treasurer reported that we have a balance of \$1,101.57 in our bank account as of the date of the meeting.

Jerry reported that he held about 15 VE exams during the year resulting in three upgrades to general class, one to extra class and many technician class licenses.

#### **VHF Report:**

The Haines repeater is now functioning on our VHF system. However, the Canadian portion of the linking is not yet functioning. The Lena Point repeater is fully functional, but with a temporary antenna. Mount Roberts is not linking to the system, but is functioning locally. This will be repaired when the tram is placed in service. The Petersburg repeater is not yet functional.

**Wednesday Lunchtime Meetings:** The informal lunch meetings continue to take place at the Atrium Café in the Jordan Creek Mall at noon every Wednesday. The new café food service provides a good selection of soup and sandwiches.

**Time to Reenlist:** It is again that time of year to fill out your JARC application and send in your dues for year 2004. Your Club has been very active and careful stewards of the dues money paid into the Club treasury. Most of the money has been spent keeping up the VHF repeater network and in providing new repeaters. The Club has also supported the purchase of educational materials for new amateur radio licensees and we have provided scholarship prizes for high school students at the annual science fair.

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