

Juneau Amateur Radio Club, Inc.
KL7JRC

This is part of the Newsletter Archive (Sept 2000 to Jan 2002) there is another archive for
. Enjoy.

Last Updated: 02/02/03

Newsletters on-line (click on the bookmark to go there):

Quick link to "Buy and Sell" the latest classifieds:

Archive Newsletter (June 1999 to May 2000) are available at:

NEWSLETTER
of the
Juneau Amateur Radio Club
January 12, 2002

JARC 2001 Club Officers:

President AL7BP Howard Shepherd
Vice President KL0XG Laura Furgione
Secretary KL0KZ Sam Smith
Treasurer WL7WB Paulette Sill
VHF Chair KL1AT Brent Fischer
Past President KL7HFI Jerry Prindle

The Annual banquet and meeting of the Juneau Amateur Radio Club will be held at

McPhetres Hall, 4th and Gold St., at 6:00 PM on Saturday, January 12, 2002. This is the culmination of our annual meeting, which began on December 5th. See schedule for other events on Saturday.

Annual Meeting Schedule:

- Flea Market 11:00 AM to 3:30 PM
- VE Exam 4:00 PM to 6:00 PM
- Social Hour 6:00 PM to 6:30 PM
- Gourmet Supper 6:30 PM to 8:30 PM
- Prize Drawing 7:00 PM to 8:00 PM
- Meeting 7:30 PM to 8:30 PM

Your Club, under the expert direction of Chef Jerry will furnish the main course of prime rib and potatoes. The Club will also furnish refreshments, place settings, etc. Members are requested to bring a dessert, salad, vegetable or other side dish. Remember, you can bring a spouse, guest and other family member. There is no charge, but you must be a paid up 2002 member to attend supper and to qualify for door prizes.

We have another great slate of door prizes this year. There will be six ARRL books selected by Charlie Gray, and the Grand Prize is a \$150 gift certificate from Radio Depot.

If you can't attend the meeting, be sure to send in your dues or bring it to McPhetres Hall anytime after 11:00 AM. You can qualify for the grand prize even if you can't attend the meeting, but you must be a paid-up member.

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 has now opened and provides a good selection of soup and sandwiches. If you can not find Jordan Creek Mall, it is across the street from the Nugget Mall in the Mendenhall Valley. The JARC repeaters are monitored and someone will provide directions.

Time to Reenlist:

It's again that time of year to fill out your JARC application and send in your dues for year 2002. 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.

Applications are available at monthly meetings and on-line at www.jarc.org. 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

ARES Activities:

ARES Net meets on 146.82 repeater system each Tuesday at 7PM. The Northern Southeast Alaska Amateur Radio Emergency Service (ARES) net operates with very good participation from Haines, Gustavus, and Juneau every Tuesday at 7:00 PM on the 146.82 repeater. 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!

There is a series of three courses available on-line; they are highly recommended. Nick is looking at the possibility of becoming an instructor so we can run a class here in the future, but if you have time to take the one on-line it is highly recommended.

Registration for the Level I Amateur Radio Emergency Communications Course (EC-001) will open Monday, January 7, 2002, at 4 PM Eastern Time. Registration for Level II will open on Monday, January 14; registration for Level III will open January 21. Courses must be completed in order, starting with Level I. To learn more, visit the ARRL Certification and Continuing Education Web page < [http://www.arrl.org/education](#) > and the C-CE Links found there. For more information, contact Certification and Continuing Education Coordinator Dan Miller, danmiller@arrl.org.

VE Testing: Testing will be available on Saturday, January 12th at 4:00 PM. Contact ve@arrl.org or 789-7291 to register for a test.

Tell us your new E-mail Address: Sam Smith, KL0KZ, our club Secretary has been sending out our Newsletters electronically to the 90 percent of our membership who use Email. Please contact samsmith@arrl.org 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 editors. If you have time to put something together that would interest the membership, please send by e-mail to newsletter@arrl.org. We will edit it for you, so don't hesitate. The appropriate length is less than one page.

Club Web Site: The Club's website is <http://www.juneauarcc.org>. The site is maintained by Jon Newstrom from sunny Zagreb Croatia. An archive of past Newsletters and Club Minutes are available on the site. It also provides excellent exposure for selling used radio equipment.

NEWSLETTER of the Juneau Amateur Radio Club

December 5, 2001

JARC 2001 Club Officers:

President AL7BP Howard Shepherd
Vice President KL0XG Laura Furgione
Secretary KL0KZ Sam Smith
Treasurer WL7WB Paulette Sill
VHF Chair KL1AT Brent Fischer
Past President KL7HFI Jerry Prindle

The Juneau Amateur Radio Club will meet at the National Weather Service Forecast Facility 8500 Mendenhall Loop Road at 7:30 PM on Wednesday, December 5, 2001. This is the start of our annual meeting, which will be continued to the January meeting.

The program for the meeting will be a presentation by Rick Kaplan, KL7AK, about his team's recent IOTA expedition to Trinity Island from August 9 to 14, 2001. Trinity Island is located 120 miles south of Kodiak. This will be a very interesting program. Of additional interest, Rick and his team were notified in November that they won the award for the Most Outstanding IOTA expedition in the region of North America, South America, and Oceania for their operation on Kudiakof Islands in August 2000.

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 has now opened and provides a good selection of soup and sandwiches. If you can not find Jordan Creek Mall, it is across the street from the Nugget Mall in the Mendenhall Valley. The JARC repeaters are monitored and someone will provide directions.

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\$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

Historic Radio Broadcast:

Friday evening, November 30th there was an interesting radio related story on All Things Considered (ATC) the National Public Radio news program on KTOO-FM. The topic was Frank Conrad's Garage, where commercial broadcast radio was probably born. One of the people interviewed for the story is a 94 year old ham who had heard Conrad's garage broadcasts (voice and music) when he was a kid. The link below leads you to a page with a link to the entire radio piece in Real Audio format. I thought everyone else, who might not have heard the ATC piece might be interested in checking the link out.

Mike Sakarias k17ke

ARES Activities:

The Northern Southeast Alaska Amateur Radio Emergency Service (ARES) net operates with very good participation from Haines, Gustavus, and Juneau every Tuesday at 7:00 PM on the 146.82 repeater. 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!

There is an airport disaster exercise on Thursday Dec 13th at 1100 hrs. The ARES membership has been requested to supply five or six operators to the Red Cross, but at the present time we've been unable to obtain a specific plan as to how they intend to utilize ARES. Please let Nick know if you would be available to assist with this exercise.

There has been a lot of work in the past month on updating the ARES section of the club's web site and on the ARES Communications Plan. The Plan should be finished prior to the December meeting. Draft copies are available for comment. Please contact our ARES Emergency Coordinator,

Nick has also had meetings with the Governor's Office concerning the HF radio in the Capital Building and is working towards the installation of a 2-meter rig and access for regular on-air testing of the equipment. A meeting is planned with Federal officials in Juneau next week. Brent and Nick met with the City Manager two weeks ago and received verbal agreement to use the site at Saddle Mountain for the installation of a packet node station. Agreement was also reached for the installation of radios (2-meter, packet & HF) in the City's Emergency Operations Center. Funding is being sought for this project. Discussions are continuing with the State Division of Emergency Services regarding a packet HF gateway and other equipment to improve our abilities to provide communications for city and state government in a disaster or emergency. Much of these discussions have been opened due to a report on "Emergency and Disaster Communications in Juneau" prepared by the ARES Emergency Coordinator (EC). (A copy is available on the club web.)

Nick is looking for operators who are willing to become Official Emergency Stations - a job description can be found at :
Nick is also looking for operators who are interested in being Official Relay Stations which involves handling National Traffic System messages into and out of Juneau. Most of the NTS nets are in the 40 meter band and occur at about noon each day. Further details can be found at:
and a job description can be found at:
All those who are currently or interested in being ARES members are asked to submit an updated ARES application form which is available on the club web site at;

Nick Meacher, N3WWE
Emergency Coordinator

VE Testing: Jerry is planning to go to Angoon this coming weekend to head up a VE session. We'll hopefully have a new group of Hams this time next week. Hoonah Repeater: The new equipment for the Hoonah Repeater was ordered on October 14th by Jerry Prindle. All of the components have either been received or have been shipped. Jerry hopes to install the equipment in Hoonah before Christmas, after he puts

everything together. The antenna will be installed on the building because of the weather, but it is expected to perform very well. Many thanks to Jerry for his hard work on this project from which we all benefit.

Funding and equipment for this project was provided by the Anchorage Amateur Radio Club, Hams in Hoonah, the JARC, and various other sources. Special thanks to Frank Pratt, KL7FSE, and Jim Larsen, KL7FS, of the AARC for the very generous grant of \$1500.

The Newsletter:

Thanks to Nick, Jerry and Mike for their contributions to 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 editors. If you have time to put something together that would interest the membership, please e-mail to [redacted]. We will edit it for you, so don't hesitate. The appropriate length is less than one page. Sam Smith, KL0KZ, our club Secretary, has been sending out our Newsletters electronically to the 90 percent of our membership who use Email. Please contact [redacted] if you obtain a new e-mail address.

Club Web Site:

The Club's website is [redacted]. The site is maintained by Jon Newstrom, 9A/KL7GT, from sunny Zagreb Croatia. An archive of past Newsletters and Club Minutes are available on the site. It also provides excellent exposure for selling used radio equipment.

Equipment for Sale:

FOR SALE by JARC

Spaulding Strato Tower for \$200 or best offer.

Contact Bob Dewey, Jerry Prindle or Bob Simpson for details.

NEWSLETTER of the Juneau Amateur Radio Club

November 7, 2001

JARC 2001 Club Officers:

President AL7BP Howard Shepherd
Vice President KL0XG Laura Furgione
Secretary KL0KZ Sam Smith
Treasurer WL7WB Paulette Sill
VHF Chair KL1AT Brent Fischer
Past President KL7HFI Jerry Prindle

**The Juneau Amateur Radio Club will meet at the National Weather Service Forecast Facility
8500 Mendenhall Loop Road at 7:30 PM on Wednesday, November 7, 2001.**

The program for the meeting will be a review of ARES activities and the Community Emergency Response Team program presented by Nick Meacher. We are fortunate to have Nick available since he is a certified EMT and CERT trainer.

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 has now opened and provides a good selection of soup and sandwiches. If you can not find Jordan Creek Mall, it is across the street from the Nugget Mall in the Mendenhall Valley. The JARC repeaters are monitored and someone will provide directions.

IOTA Expedition:

At our December meeting, Rick Kaplan, KL7AK, will present a program on his recent IOTA expedition to Trinity Island on August 9 to 14. Trinity Island is located 120 miles south of Kodiak. Should be an interesting program. Rick and his team were just notified that they were the winner of the Most Outstanding IOTA expedition in North America, South America, and Oceania for their operation on Kudiakof Islands in August 2000.

ARES Activities:

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Nick Meacher is the Southeast Alaska Emergency Coordinator for the ARES organization. He is also a trainer for the Community Emergency Response Team (CERT). A 17½ hour training program begins Tuesday evening, November 6th, at the LDS Church. Each 2½ hour session begins at 7:30 PM. You may contact Cheryl Easterwood, CBJ Disaster Plan Manager for information or to register at 586-0221. It is not necessary to pre-register for the class. If you are interested and can't make the first class on the 6th you can contact Nick Meacher at 796-3322 or Cheryl Easterwood.

New Licenses:

Several JARC members were very busy providing Intensive weekend Classes and three VE Exams in September. Class instructors were Prindle, Simpson, Sicks, Miles, Bigman, and Dewey. VE's for 15 September were Jerry Prindle, Bob Simpson, and Frank Hall and for the September 28 and 30 exam sessions prior to and following our classes the VE's were Jerry Prindle, Bob Simpson, Bob Dewey. We are very happy to announce that this flurry of activity resulted in 10 new licensed radio operators and that we had 100% success in our September 28 and 30 exam sessions. Congratulations to the following new licensees and upgrade:

Glenn Sicks, KL0QZ, upgraded to Extra Class on September 15.
Shirley Kohls, Tech and 5 WPM CW
Loren Bettridge, Tech
Eli Derenoff, Tech
Doug Wessen, Tech
Debbie Fischer, Tech
Peter Hettinger, Tech

Rob Kindred, Tech

Al Judson, Tech

Diana Leatherberry, KL1ET, Tech

Jake Reed (Carpenter), Tech. Jake was our Science Fair winner in 2000. The Club will be awarding \$200 for achieving his license.

Hoonah Repeater:

The new equipment for the Hoonah Repeater was ordered on October 14th by Jerry Prindle. The repeater will take about six weeks for delivery as they have to order the crystals and then burn them in. The earliest that everything could be together is December, but because of the winter weather it is difficult to estimate when the equipment can be installed at the site. Many thanks to Jerry for his hard work on this project from which we all benefit.

Funding and equipment for this project was provided by the Anchorage Amateur Radio Club, Hams in Hoonah, the JARC, and various other sources. Special thanks to Frank Pratt, KL7FSE, and Jim Larsen, KL7FS, of the AARC for the very generous grant of \$1500.

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Sam Smith, KL0KZ, our club Secretary, has been sending out our Newsletters electronically to the 90 percent of our membership who use Email. Please contact [redacted] at [redacted] if you obtain a new e-mail address.

Club Web Site:

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FOR SALE by Rick, KL7AK: Two 160-10 meter HF antenna tuners.

1) Murch 1kw tuner with roller inductor and two nice size variable capacitors, "The Ultimate Transmatch". Sells for \$125.00 to \$150.00 on the Internet. My price is \$75.00 to club members. The roller inductor and turns counter are worth more than what I'm asking for the tuner. I have used this tuner on many IOTA trips.

2) Dentron MT-2000A 2kw antenna tuner. Going price on the Internet is \$200.00. My price is \$125.00 to club members. I have used this tuner

in-line for many years. Two large variable capacitors, one tapped inductor, with antenna/tuner bypass switch. A really nice tuner. Again, you couldn't buy half the components in the box for what I'm asking for the tuner.

Both tuners will handle both coax and wire feed lines. The Dentron will also handle balanced feed lines (ladder line) and has a built-in balun. You may reach me during the days at 465-2710 and in the evenings at 463-5816.

FOR SALE by JARC

Spaulding Strato Tower for \$200 or best offer.
Contact Bob Dewey, Jerry Prindle or Bob Simpson for details.

NEWSLETTER of the Juneau Amateur Radio Club

October 2, 2001

Note: With the absence of JARC Secretary Sam Smith during this period of activity we are not able to issue a regular Newsletter in time to announce the October 3 Meeting.

Announcement -- Announcement -- Announcement

The Juneau Amateur Radio Club will meet at the National Weather Service Forecast Facility 8500 Mendenhall Loop Road at 7:30 PM on Wednesday, October 3, 2001.

Bob Dewey WL7QC and Glenn Sicks KL0QZ will present a program on "Easy Satellite Communications for New and Old Hams".

Making Hams.

Several JARC members were very busy with providing Intensive weekend Classes and Three VE Exams in September. Class instructors were Prindle, Simpson, Sicks, Miles, Bigman, and Dewey. VE's for 15 September were Jerry Prindle, Bob Simpson, and Frank Hall and for the September 28 and 30 exam sessions prior to and following our classes the VE's were Jerry Prindle, Bob Simpson, Bob Dewey. We are very happy to announce that this flurry of activity resulted in 10 new licensed radio operators and that we had 100% success in our September 28 and 30 exam sessions.

Congratulations to the following new licensees or upgrade:

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Shirley Kohls Tech and 5WPM CW
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Al Judson Tech
Diana Leatherberry Tech
Jake Reed (Carpenter) Tech. Jake was our Science Fair winner JARC
will be awarding \$200 for achieving his license.

Note: With the absence of JARC Secretary Sam Smith during this period of activity we are not able to issue a regular Newsletter in time to announce the October 3 Meeting.

**NEWSLETTER of the
Juneau Amateur Radio Club**
September 5, 2001

JARC 2001 Club Officers:

President AL7BP Howard Shepherd
Vice President KL0XG Laura Furgione
Secretary KL0KZ Sam Smith
Treasurer WL7WB Paulette Sill
VHF Chair KL1AT Brent Fischer
Past President KL7HFI Jerry Prindle

The Juneau Amateur Radio Club will Resume Activities Following the Summer Recess with the Monthly Membership Meeting on September 5.

Place: National Weather Service Forecast Facility 8500 Mendenhall Loop Road

Time: 7:30 PM, Wednesday

Program: Bill Glude, Director of the Southeast Alaska Avalanche Center, will present the program.
Refreshments will be provided

Intensive 3 Day Class for Technician Class Licensing Scheduled for late September:

JARC will conduct an intensive 3 day licensing class on the weekend beginning Friday evening September 28. The class will run all day Saturday September 29 and Sunday September 30 with the exam on Sunday afternoon. We will follow the Seattle Mike & Key Radio Club's intensive training format with lesson plans, and must involve several volunteer instructors. Pre-registration is

requested so that we can determine requirements for materials. Please let us know of your interest in helping with this effort and of any people you think would be interested in taking such a class by calling Glenn Sicks at 789-5559 or Bob Simpson at 789-9344.

Grant Proposal Seeks Support for a Repeater on Hoonah Mountain: A grant proposal and a cost sheet were sent to the Anchorage Amateur Radio Club requesting support from the club's gaming proceeds for the installation of a repeater at the Alascom Site on Hoonah Mountain. We have been working with amateur radio operators in the Icy Strait area for several months to plan and begin raising funds for a repeater that would be linked into our Juneau system. The Hoonah Mountain Repeater will serve residents, boaters, hikers, and hunters in the Icy Strait, Glacier Bay and upper Chatham Strait, especially in the communities of Hoonah, Gustavus, Glacier Bay, and Excursion Inlet, and hopefully would also cover Tenakee Springs, Elfin Cove, and Angoon. The addition of this repeater would greatly enhance our ARES net activities. Much of the essential equipment for this project is already on hand at the site and the Juneau Amateur Radio Club will donate some equipment.

Approval of this grant request would enable the remaining equipment to be purchased and be ready for installation by Jerry Prindle on one of his working trips to the Hoonah Mountain Site in September or October.

Summer Activities: This was a very busy summer for the Club. Lots of excitement and great activities.

Field Day took place on June 23, 24 and 25 in the field at the Fire Training center. Charley Gray and crew set up a 500 foot HF V-antenna that got our signal out to most of the country. According to the old hands, this was the best luck that anyone could remember. We had over 300 contacts on SSB, CW and even a satellite contact. We will include a complete summary in the next Newsletter. We had a great turnout of members, and thanks to the excellent article by Nick Meacher in the Capital City Weekly we had a number of visitors at the site. Three visitors purchased books and many others expressed interest. Special thanks to R & S Pumping for the portable toilet and to Grasle Electric for the portable office.

Rick Kaplan again coordinated the Club's volunteer effort at the 4th of July parade. This is our main Public Service activity and gives the Club good exposure. We again provided communication to the organizers at the parade assembly area and along the route. Thanks to all of the volunteers!!!

A successful picnic was held on July 14th at the Sandy Beach shelter. The Club furnished the main course and refreshments. The weather cooperated and we did have a successful fox hunt thanks to Frederick WA6AXO. Thanks to everyone who helped organize the event and brought food.

IOTA Expedition: Rick Kaplan, KL7AK, with help from Bob Dewey, WL7QC, and Jim Model, K9PPY, completed a successful IOTA expedition at Trinity Island on August 9 to 14. Trinity Island is located 120 miles south of Kodiak. They operated their Islands-on-the-Air station around the clock and made 3650 contacts worldwide during their five days on the island primarily on 20-meters and also made several contacts via satellites. The team used the Alaska Bush Net frequency (7.093 MHz) for local communications. Rick promised to present a program to the Club at one of our meetings this fall.

Wednesday Lunchtime Meetings: The informal lunch meetings continue to take place at the Atrium Café in the Jordan Creek Mall at noon every Wednesday. Since the café food service has closed, you will need to bring your own food. If you can not find Jordan Creek Mall, it is across the street from the Nugget Mall in the Mendenhall Valley. The JARC repeaters are monitored and someone will provide directions.

Rescue involves ARES Members and JARC Repeater System: JARC Club members participated in the rescue of four young people from an island in the Herbert River. Mark Griffith, KL0MO, was rafting down the Herbert Glacier River with three friends when their raft was severely damaged. There had been 2.4 inches of rain in the preceding 24 hours, and the river was running extremely fast. At 7:36 in the evening Griffith used the phone patch feature of the KL7PF repeater at Lena Point to call 911. Nick Meacher N3WWE was the 911 operator the ARES Emergency Coordinator helped coordinate the rescue. Bob Dewey, WL7QC, who was monitoring the repeater frequency, also heard the radio call. The area is remote from Juneau and the cell phone system, so amateur radio was the only means in which a rescue party could be alerted. Bob went to the trailhead to meet with rescue personnel and assist in communicating with the stranded rafters. The rescue was concluded early the next morning by helicopter. This event had a happy ending thanks in large part to the availability of the Club's VHF repeater system and alert Club members.

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NEWSLETTER

of the
Juneau Amateur Radio Club

June 6, 2001

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Vice President KL0XG Laura Furgione
Secretary KL0KZ Sam Smith
Treasurer WL7WB Paulette Sill
VHF Chair KL1AT Brent Fischer
Past President KL7HFI Jerry Prindle

The Juneau Amateur Radio Club will meet at the National Weather Service Forecast Facility 8500 Mendenhall Loop Road at 7:30 PM on Wednesday, June 6, 2001.

Red Tomlinson, WL7UX SK:

Club member, Red Tomlinson, died May 29, 2001 as a result of an apparent heart attack. Red had been active in amateur radio for many years, but had just recently passed Extra Class. He had just become a VE and planned to help out with exams. Red had been attending the regular monthly meetings as well as the Wednesday noon meetings. Additional information will be provided at a later date.

Summer Activities:

This will be the last Newsletter until September, so we're listing all of the summer Club events and encouraging everyone to participate.

Field Day will take place on June 23, 24 and 25 in the field at the Fire Training center. We plan to set up a SSB, CW and satellite rigs. We need lots of help, so be prepared to take on a couple of shifts. Contact Sam for more information or if you'll be able to help setup or man the station. You can reply to this e-mail or call at 780-6676 in the evenings. Should be a good event.

July 4th is coming up soon and Rick Kaplan is coordinating the Club's participation in the parade. This is our main Public Service activity and gives the Club good exposure. We will be operating on 146.52 MHz simplex in providing communication to the parade organizers. We still need a few volunteers so contact Rick at 463-5816 if you can help during the parade. The annual picnic will be held on July 14th from 4 to 8 PM at the Sandy Beach shelter closest to the parking lot. The Club will furnish the main course and refreshments. Attendees are requested to bring a side dish or dessert.

Antenna Legislation Update:

The antenna bill, SB 78, was signed into law by Governor Tony Knowles on April 27th and will become effective July 16th. This bill, sponsored by Senator Robin Taylor of Wrangell, enhances the FCC's PRB-1 ruling and prevents local governments from enacting antenna ordinances that could unreasonably restrict radio towers and antennas. The bill provides that

a municipality may not restrict amateur radio antennas to heights of less than 200 feet in low population density locations, to less than 75 feet in high population areas, or to less than 140 feet on lots one acre in size. Club members, Dan Squires and David Bruce were active in educating our legislators about the importance of amateur radio and the need for the legislation.

Hoonah Repeater:

Jerry reports that planning is underway to include a repeater in Hoonah via a 1 ¼ meter remote base, exactly like Heinzmann and Mt Roberts. The proposed coverage of Hoonah encompasses Hoonah Village, Gustavis, Excursion Inlet, Hawk Inlet and the waters of Icy Strait. It should cover at least portions of Glacier Bay and may reach Elfin Cove and Pelican. The Club will be asked for approval of the concept at the next meeting, but it is expected that the ham radio community in Hoonah, and others with a need, will be asked to assist financially. If we go ahead, it would take 8 to 10 weeks for the repeater to be shipped.

IOTA Expedition:

Rick Kaplan will again head up an IOTA expedition this summer along with Bob Dewey. They will open communications August 9 to 14 at Trinity Island which is located 120 miles south of Kodiak. Rick has promised that he and Bob will present a program to the Club at one of our meetings this fall. Sounds like a great time.

Time to Renew Memberships for Year 2001:

As of May 2nd, 92 members have renewed their memberships. If you have not yet renewed your membership for year 2001, this would be a good time to do it so that we can more readily update our rosters. We will be providing an updated membership list to members this summer. Please mail your renewal as soon as possible or bring it to the next meeting. Thanks!!

The Club is ordering the latest license guides, videos and other training materials. They should be available this summer from Bob Simpson.

Wednesday Lunchtime Meetings:

The informal lunch meetings continue to take place at the Atrium Café in the Jordan Creek Mall at noon every Wednesday. Since the café food service has closed, you will need to bring your own food. If you can not find Jordan Creek Mall, it is across the street from the Nugget Mall in the Mendenhall Valley. The JARC repeaters are monitored and someone will provide directions.

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The Northern Southeast Alaska Amateur Radio Emergency Service (ARES) net operates with very good participation from Haines, Gustavus, and Juneau every Tuesday at 7:00 PM on the 146.82 repeater. 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!

The Newsletter:

The Editor of your Newsletter continues to search for interesting information from Club members that can be used in the Newsletter. We have occasionally been able to include articles by Club members, which are far more interesting than the usual dry information

produced by the editors. If you have time to put something together that would interest the membership, please e-mail to . We will edit it for you, so don't hesitate. The appropriate length is less than one page.

Sam Smith, KL0KZ, our club Secretary, has been sending out our Newsletters electronically to the 90 percent of our membership who use Email. Please contact Sam at if you obtain a new e-mail address.

Club Web Site: The Club's website is . The site is maintained by Jon Newstrom from sunny Zagreb Croatia. An archive of past Newsletters and Club Minutes are available on the site. It also provides excellent exposure for selling used radio equipment.

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NEWSLETTER

of the

Juneau Amateur Radio Club

May 2, 2001

JARC 2001 Club Officers:

President: AL7BP Howard Shepherd

Vice President: KL0XG Laura Furgione

Secretary: KL0KZ Sam Smith

Treasurer: WL7WB Paulette Sill

VHF Chair: KL1AT Brent Fischer

Past President: KL7HFI Jerry Prindle

The Juneau Amateur Radio Club will meet at the National Weather Service Forecast Facility 8500 Mendenhall Loop Road at 7:30 PM on Wednesday, May 2, 2001.

Don Richter KL7IXO SK:

Club member, Don Richter, died March 23rd as a result of a massive heart attack. For the last several years Don regularly attended the Wednesday Noon meetings. Don had the rare gift of listening more than he talked. Don and his wife Joanne, WL7ET, were Baptist missionaries in the State of Alaska since 1973. He spent his Alaska years in the interior, in Petersburg and in Juneau. Ham radio was important to his work as it enabled him to communicate to the outside world while serving in the bush. His ready smile and gentle speech will be missed.

Antenna Legislation Update:

The antenna bill, SB 78, has unanimously passed the Alaska House of Representatives and is on its way to the Governor for signature. This bill, sponsored by Senator Robin Taylor of Wrangell, enhances the FCC's PRB-1 ruling and prevents local governments from enacting antenna

ordinances that could unreasonably restrict radio towers and antennas. The bill provides that a municipality may not restrict amateur radio antennas to heights of less than 200 feet in low population density locations, to less than 75 feet in high population areas, or to less than 140 feet on lots one acre in size. Although no opposition to the bill is expected from the Governor, amateurs are urged to contact his office to encourage him to sign the legislation into law. The Governor's contact information is as follows:

Governor Tony Knowles
P.O. Box 110001
Juneau, Ak. 99811-0001
Fax: 907-465-3532

Club Web Site:

The Club's website is <http://www.k6jw.com>. The site is maintained by Jon Newstrom from sunny Zagreb Croatia. An archive of past Newsletters and Club Minutes are available on the site. It also provides excellent exposure for selling used radio equipment.

New Callsigns and Upgrades:

A volunteer exam session was held on April 14th. Congratulations to Keith Bettridge, N7YQS, for completing requirements for his Extra Class license, and to John Gregson for completing the written exam portion for General Class. Thanks to volunteer examiners Jerry Prindle, Robert Simpson and Ron Hagerup for hosting the session.

Time to Renew Memberships for Year 2001:

As of April 25th, 90 members have renewed their memberships. If you have not yet renewed your membership for year 2001, this would be a good time to do it so that we can more readily update our rosters and maintain our accounts. It's important for all interested amateurs to renew or join the Club. Please get your fees paid as soon as possible. Please mail your renewal as soon as possible or bring it to the next meeting. Thanks!!

Wednesday Lunchtime Meetings:

The informal lunch meetings continue to take place at the Atrium Café in the Jordan Creek Mall at noon every Wednesday. Since the café food service has closed, you will need to bring your own food. If you can not find Jordan Creek Mall, it is across the street from the Nugget Mall in the Mendenhall Valley. The JARC repeaters are monitored and someone will provide directions.

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Sam Smith, KL0KZ, our club Secretary, has been sending out our Newsletters electronically to the 90 percent of our membership who use Email. Please contact Sam at _____ if you obtain a new e-mail address.

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|

Items for Sale:

COM 706 MkII G HF/2m/440
OPC-581 11.5 separation cable
ICOM AH-4 automatic antenna tuner HF & 6m
ASTRON RS-35A 35A/25A power supply
BENCHER 170-01 Iambic paddle
HS-5 headphones
MFJ-281 *Clear Tone* speaker
MFJ-862 2m/220/440 cross needle SWR meter
MFJ-816 HF 30-300 watt SWR meter
COMET CA-UHV 40/15/10/6/2/440 mobile antenna
COMET RS-730 heavy duty trunk mount
COMET 303M 16 mobile mount coax
DIAMOND MX-62M duplexer
BAYPAC TNC

TOTAL WORTH OVER \$2000 (most less than 18 months old) WILL ACCEPT \$1400

For information call:
Nick Meacher at
907-790-7667 or

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**NEWSLETTER
of the
Juneau Amateur Radio Club**

April 4, 2001 JARC 2001 Club Officers:

President AL7BP Howard Shepherd
Vice President KL0XG Laura Furgione
Secretary KL0KZ Sam Smith
Treasurer WL7WB Paulette Sill
VHF Chair KL1AT Brent Fischer
Past President KL7HFI Jerry Prindle

**The Juneau Amateur Radio Club will meet at the National Weather Service Forecast Facility
8500 Mendenhall Loop Road at 7:30 PM on Wednesday, April 4, 2001.**

Weather Spotter Training: The April 4th JARC meeting will include a 2-hour Southeast Alaska Weather Spotter Training course. The National Weather Service (NWS), Weather Forecast Office in Juneau has spotters from Juneau, Sitka, Yakutat, Port Alexander, Tenakee Springs, and False Island. These spotters make a tremendous contribution to the forecast process by providing meteorologists with critical "ground truth" weather information. Spotters help the National Weather Service achieve its mission: to protect the lives and property. For those of you who are not able to attend this particular training, you have several options. You can attend another training later this year, you can view a recorded version of the training, the NWS can mail you a packet, or you can become certified on-line at www.nws.gov. The training will begin at the end of a short business meeting.

Antenna Legislation Update: The antenna bill, SB 78, has passed the Alaska State Legislature by a vote of 20 to 0. Senator Robin Taylor enthusiastically supported the bill. The bill provides that a municipality may not restrict amateur radio antennas to heights of less than 200 feet in low population density locations, to less than 75 feet in high population areas, or to less than 140 feet on lots one acre in size. The bill is now up for consideration by the Alaska House of Representatives. The bill is reportedly scheduled for consideration by the Community and Regional Affairs Committee on Tuesday, April 3rd at 8AM in Room 124 of the Capitol Bldg. It would be helpful for members to contact Beth Kurtula, Bill Hudson or other representatives to encourage passage of the Bill. Dan Squires continues to work with members of the legislature to point out the importance of passage of this bill to the citizens of the State of Alaska.

Science Fair Winners: Jerry Prindle and Sam Smith represented the Club at the annual High School Science Fair on February 24th. The winners of the Club prize were Anil Ed (11th grade), Jake Reed (12th grade), and Camden Buzard (10th grade) for their project, Building Reliable, Cheap Robots. This was an excellent project and the judges were impressed with the initiative and enthusiasm displayed by the three young men. Their project included radio control of their home-made robot using computer commands. The prize included \$100, a copy of the ARRL book Now You're Talking, and an offer of a \$200 Handitalkie to the first of the three to receive an amateur radio license within one year.

Most of the projects included a biological theme, which is fine, but not many of the projects seemed to be based on physics. An opportunity surely exists for the amateur radio community to encourage an interest in electronics and communications within the High School. If anyone has a thought on the subject, bring your idea to the meeting or contact one of your Club Officers.

Club Web Site: The Club's website is www.jarc.org. The site is maintained by Jon Newstrom from sunny Zagreb Croatia. An archive of past Newsletters and Club Minutes are available on the site. If you have

interesting pictures he can include those. One of our Club members sold several equipment items to an out-of-state person who saw the ad in one of the newsletters posted on the website. People from outside of the Club do see the site, and it does work so if you want to sell any excess amateur equipment, send Sam Smith an e-mail with a description and price.

New Callsigns and Upgrades: A volunteer exam session was held on March 17th. Congratulations to Keith Bettridge, N7YQS, and Tom Rozek, KL0WE, for completing requirements for their General Class licenses. Thanks to the volunteer examiners for hosting the session.

Time to Renew Memberships for Year 2001: As of February 16th, 70 members have renewed their memberships. If you have not yet renewed your membership for year 2001, this would be a good time to do it so that we can more readily update our rosters and maintain our accounts. It's important for all interested amateurs to renew or join the Club. Your Club dues this year were used mainly for support of the repeater system plus other operating expenses. You really get a big bang for your buck. Please get your fees paid as soon as possible. Please mail your renewal as soon as possible or bring it to the next meeting. Thanks!!

Wednesday Lunchtime Meetings: The informal lunch meetings continue to take place at the Atrium Café in the Jordan Creek Mall at noon every Wednesday. Since the café food service has closed, you will need to bring your own food. This continues to be an excellent way to keep in touch with members, to exchange information and enjoy the social aspects of amateur radio. If you can not find Jordan Creek Mall, it is across the street from the Nugget Mall in the Mendenhall Valley. The JARC repeaters are monitored and someone will provide directions.

Next Exam: We will host licensing exams 10 AM Saturday, April 14th, at the National Weather Service Facility, 8500 Mendenhall Loop Rd. Please pre-register via email to .

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Sam Smith, KL0KZ, our club Secretary, has been sending out our Newsletters electronically to the 90 percent of our membership who use Email. Please contact . if you obtain a new e-mail address.

Juneau Amateur Radio Club

February 7, 2001

About Our New Club Officers:

Howard Shepherd, President, is an electrician with AEL&P and just returned from working a year at the Annex Creek power station. He managed communications along the complete route of the Iditarod Sled Dog races through a series of ham radio facilities. Howard enjoys riding his Harley Davidson.

Laura Furgione, Vice President, is Meteorologist-in-Charge of the Juneau Forecast Office of the National Weather Service. Laura became active in JARC immediately upon transferring here from North Carolina where she worked with hams in hurricane watch activities.

Sam Smith, Secretary, is a semi-retired mining engineer and last worked for Kvaerner Environmental in the closure and cleanup of the AJ Mine. Sam is in his third term as JARC Secretary who, among many other things, prepares and emails out the club's monthly newsletters

Paulette Sill, Treasurer, works in the City & Borough of Juneau's Finance Office. She is serving her second term as JARC Treasurer. Paulette is a sailor, a touring bicyclist, and enjoys spinning and knitting fibers.

Brent Fischer, VHF Chairman, is Superintendent of Facilities for the City & Borough of Juneau. Brent consented to serve as the chairman of the Club's VHF committee on the very day that he passed his first VE Technician exam. He is already installing auto-dial phone patches for new members and will be documenting repeater planning activities.

Remembering Ed "Bear" Burch KF4UOJ:

We are deeply saddened by the tragic loss of Ed Burch. Ed was performing a biannual flight review aboard a small plane that failed to return from a trip over to Young Bay on December 27.

There is so much more to Ed than most of us could ever know from his year and a half in Juneau because he was so involved in a such a broad variety of activities. I knew "Bear" both as a neighbor and as a participant in our Wednesday lunch group at the Atrium. He was quick to offer help whenever he saw me working on my skiff or car and he would always take a moment to say a few words when he passed me by on the road. He regularly jogged the length of Fritz Cove Road and when seeing me in my parking lot he would run on by to go the final 100 feet to the goal of returning to his own driveway before walking back to chat. I sense that Ed was strongly goal oriented and determined to make an adventure of each day. Before moving to Juneau, "Bear" had come to Alaska twice to climb Mt McKinley; after retiring from the military he won elective office as a sheriff in Colorado, he was a licensed aircraft pilot for years and worked as a certified flight instructor. Ed was very patriotic and served as a career airborne combat officer with three tours duty in Vietnam. He kept contact with many veterans who served in his outfits and had one of his old privates come to visit him in Juneau last summer. This is a testimonial of the mutual respect he and his men had for each other. He regularly met with the radio folks on Wednesdays for some brief fellowship even though he was usually too busy with other activities to stay very long. "Bear" told me that one of the things he enjoyed most about that group was getting to know Tad NL7KL who served in the 442nd "Go for Broke Battalion" in WW II. Also during those meetings, he arranged for Harold KL7JAW to be his daily ham radio contact during his sailing adventure across the Atlantic from the Canary Islands to the Bahamas last November and to relay his messages to his wife Belinda.

We all share in the loss of our friend Ed "Bear" Burch with his family and with his many friends.

Bob, NL7XZ

New Callsigns and Upgrades:

John Eilertsen WL7QT passed his requirements for General. While on vacation in Oregon, he drove an extra 200 miles to take his code test in Spokane. Congratulations also to Sean McDermott WL7CCA, Matt Sill WL7BTO, Stephen Bodnar KL1AR, Jack Gregson KL1AS, and Brent Fischer KL1AT who all passed their Technician Class licensing requirements on January 6. VEs hosting that exam session were Jerry Prindle, Frederick Hoskinson, and Bob Simpson

Tell us your new E-mail Address:

Sam Smith KL0KZ, our club Secretary, has been sending out our Newsletters electronically to the 90 percent of our membership who use Email. Please contact _____ if you obtain a new e-mail address.

Club Highlights During the Year 2000:

Total Club membership reached 120

Participated in Juneau High School science fair

Our Club President, Greg Griffith, relocated to New Mexico and was replaced by Jerry Prindle

Club meeting programs included a tour of KTOO, construction of miniature transceivers, a description by Rick Kaplan of his Dxpedition to Kudiakof Island and a description of the early days of amateur radio in Juneau by Dean Williams

A new repeater was installed on Heinzelmann Ridge by Jerry Prindle and other club members

The ARES net was active during the year and the Club participated in a real emergency.

Juneau hams received an ARRL commendation for providing communications following the avalanche that destroyed phone lines and blocked the road to Thane. Local radio stations and the police department were advised that we had set up a process for relaying health and welfare traffic to and from folks isolated by the slide.

Assisted with the 4th of July parade

Participated with the Boy Scouts in the Jamboree on the Air (JOTA)

Participated in the National Field Day, June 24th and 25th

Participated in the National Weather Service Special Event

Held the Club picnic in July

Reissued the Club Repeater Guide

Helped KTOO with their pledge drive

Published nine Club newsletters

Conducted several classes for Technician and held eight examinations

Club website:

Jon Newstrom actively maintains our website, _____ . Try it out!

Club License Activity:

During the last year Jerry Prindle, through W5YI VEC, administered examinations to 58 persons, administering 77 tests. As a result of the testing program, four passed code tests, 27 passed the Technician exam, 18 passed the General exam and seven passed the Extra exam. A very successful year. Jerry passed on \$184 to the Club which was the excess in revenues after all test related expenses were paid.

Time to Renew Memberships for Year 2001:

If you have not yet already renewed your membership for year 2001, this would be a good time to do it so that we can more readily update our rosters and maintain our accounts. The membership

form is attached. It's important for all interested amateurs to renew or join the Club. Your Club dues this year were used mainly for support of the repeater system plus other operating expenses. You really get a big bang for your buck. Please get your fees paid as soon as possible. For your convenience we have attached a renewal form to this newsletter which explains the fees. Please mail as soon as possible or bring it to the next meeting. Thanks!!

Wednesday Lunchtime Meetings:

Local Hams and visitors meet weekly for an informal lunch at the Atrium Café, Jordan Creek Mall, every Wednesday, 12:00 p.m. to exchange information and enjoy the social aspects of amateur radio. If you can not find Jordan Creek Mall, it is across the street from the Nugget Mall in the Mendenhall Valley. The JARC repeaters are monitored and someone will provide directions.

Next Exam:

We will host licensing exams 10 AM Saturday February 10 at the National Weather Service Facility, 8500 Mendenhall Loop Rd. Please pre-register via email to Sam Smith or call Bob Simpson 789-9344.

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Annual Meeting Door Prize Winners:

ARRL Operating Manual - Barb Prindle
More Wire Antenna Classics - Robert Martin
Vertical Antenna Classics - Brent Fischer
Antenna Handbook - Chad Guertin
ARRL Handbook - Sam Smith
ARRL Handbook - Jerry Prindle
Satellite Handbook - Frederick Hoskinson

and last but not least, the \$150 gift certificate to the Radio Depot was won by Tom Rozek. Congratulations, and a good reason to attend the Annual Meeting!!!

Juneau Amateur Radio Club
December 6, 2000

JARC 2000 Club Officers: President KL7HFI Jerry Prindle, Vice President WL7CSM Leimomi Matunding, Secretary KL0KZ Sam Smith, Treasurer WL7WB Paulette Sill, VHF Chair AL7BP Howard Shepard, Past

President KL7GT Jon Newstrom

The Juneau Amateur Radio Club will meet at McPhetres Hall of the Holy Trinity Church at 4th and Gold at 7:30 PM on Wednesday, December 6, 2000.

December program: Dean Williams, KL7GI, will discuss his experiences as a ham radio operator immediately following the great Alaska earthquake in 1964.

Kent Petty, KL5T, the ARRL Alaska Section Manager will be in Juneau this week and plans to attend our Wednesday lunch and the monthly meeting on December 6th.

Heinzelmann Ridge Repeater 146.640(-): Jerry Prindle KL7HFI installed the new JARC repeater on Heinzelmann Ridge on Saturday, October 28. This new repeater still needs some adjustments which should improve it's operating characteristics. See the end of this Newsletter for a detailed account of the installation.

New Callsigns Result from exams on November 13th and 18th:

Melanie Fluharty, KL0ZI, and John Eilertsen, WL7QT, passed the General Class written exam, and Al Degener, KL1AB, and Ed Nygard, KL1AC, passed the Technician exam. Jerry Prindle, Frank Hall, Tad Fujioka, and Bob Simpson served as volunteer examiners. Congratulations! We'll hear you on the air.

National Weather Service Special Event: The National Weather Service and the American Radio Relay League hosted the 2nd annual National Weather Service Special Event for amateur radio on December 1st and 2nd. Amateur radio operators participated from about 85 NWS offices to recognize the contributions that hams make to the NWS during times of severe and significant weather. The weather forecast office (WFO) in Juneau and JARC worked together to install a station at the National Weather Service Office on the Back Loop. David Bruce, Tad Fujioka, Frank Hall, and Bob Simpson assisted NWS staff members Kim Custer, KL0ZH, Art Puustinen, and John Lindsey to install the new Rohn tower and the Club's multi-band beam. We set up the station using equipment generously donated to the Club by the George Reifenstein estate. We had about 12 Club members participate in the event and made in excess of 50 contacts including seven NWS special event stations. Special thanks to Club member Laura Furgione, KL0XG, the Meteorologist-in-Charge of the Juneau office, for making this event possible. The Club looks forward to future participation with the National Weather Service in amateur radio events.

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New Computerized License Exam Courses and Videos Available Soon: The ARRL responded to our email inquiries on when new videos and associated computerized courses matching the new question pools would become available. The new Technician Course will be out in February 2001 and the General Class course should become available in April. These revisions will make instructing and self-study much more efficient.

Next Exam: There will be an exam scheduled along with the Annual meeting and pot luck banquet in January. Please pre-register with Sam Smith or Bob Simpson if you wish to take an exam.

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For Sale: US Tower model TX-455 with motor drive, HamIV rotator, and Mosley tri-band antenna. All in good condition. \$2050. You take down and you ship. Located in Juneau, Alaska. Contact Mrs. George Reifenstein, 907-789-0832.

Repeater Installation (by Jerry Prindle, KL7HFI): Sunday, October 28th turned out to be a beautiful, clear, crisp fall day. Even with the frost in the morning, we were all eager to get the new repeater up and on the air at Heinzelmann Ridge. Tim Jellison W3YQ, Doug Grimm WL7AM, and myself met at Coastal Helicopters for the trek to the ridge and found out that all their birds were busy and the soonest we could fly was at 1330. A quick calculation determined that we would barely have enough time for the project and we would have to really hustle to get it on the air. A bit disappointing, but with three of us we would make it work somehow. So, at the appointed hour we again showed up at Coastal. Now it looked like we had too much stuff to take in one trip. We loaded the helicopter and sent Doug and Tim up first and I came up with the rest on the second trip.

Finally we were on site and ready. Tim let us in to the building and we surveyed the project. Not wasting much time, Doug climbed the tower with a rope tied to his belt. The eighty foot level looked like a very good place to mount the arm for the antenna as it was away from most of the other antennas. I tied the arm to his rope and hoisted it up to him. I then put together the antenna and readied it for the trip up the tower. Now the big job, getting the coax up the tower. We were using inch and a half HeliAx, the big stuff and it doesn't bend or unroll or anything easy. I had previously put the connector on the antenna end so we tied it on the rope and hauled it up the tower. Tim broke out the mounting clamps and started bolting them to the tower, getting ready for the HeliAx. It soon became apparent that the clamps were too big. What to do. I pulled out some tie wraps and we used the clamps for an anchor temporarily until I can get up there on another trip and replace them with the right size. *Strike one.*

While the guys were working on the tower I started assembling the radio equipment and putting our equipment in the rack. Space is at a premium and we had to move the TV translator up a couple of spaces to make room for the power supply and repeater with room underneath for the duplexer. The standard rack screws I had brought along didn't fit the rack. *Strike two.* We used a couple of spare screws from the other equipment to mount the power supply. I had to put the repeater in the rack sitting on a couple of pieces of wood on top of the power supply for spacing. The next problem was the 220 filter would not fit on top of the repeater as originally planned because the TV transmitter's shelf bracket was in the way. *Strike three.* I finally squirmed it around and put it in sideways, running the coax across the front of the remote base transceiver. Well, no one is going to be looking at it anyway.

The boys were just finishing up the coax run so I cut off the excess on the outside of the building, hoping I didn't get it too short. When it was ready I shoved it through the hole. Lots of extra. Too much, it almost reached the other end of the building. Now to put the connector on. Now, this connector is huge compared to RG-8 or standard 4-50 HeliAx. The barrel is over one and half inches in diameter. The excess coax had to be

sawed off at the point where the connector is to be attached. The only place to do this is where the coax is four feet inside the building behind the cellular equipment. This space was not made for man. It was barely two feet wide and littered with a multitude of coaxial and power cables going in all directions plus battery terminals staring me in the face daring me to forget and lay something metal across them. Swinging a hack saw here was not easy plus the heliast was bucking backward causing the saw to stick. One quart of sweat later I finally got it separated and set to work getting the connector mounted. This time sawing off the excess wasn't quite so bad but I have a sore shoulder to show for it. I got the center pin screwed in (no soldering on this size connector) and the outer shell on. I grabbed the wrenches and tightened it up. On went the pigtail and now to fire it up. But wait! What's that noise? Oh NO! The helicopter's here and I'm not ready! I had already put the Bird wattmeter in the line and quickly checked the VSWR of the transmitter; 40 watts forward, 5 back. A quick tweak and got it to 2 1/2 watts. Good. Now check the antenna side... quick! Wow, look at that, 35 forward and one back. Turn on the remote base... power 40 watts, still one back. Whew! It's going to work! "NL7XZ, this is KL7HFI. It's up but I gotta go, the helicopter's waiting!" The mad rush was on to gather up all the tools and pieces and stumble up the hill to the waiting helicopter. Oops, wait. I forgot all the tools I used behind the equipment racks to put together the connector. Grab them quick and throw them in the back of the helicopter. We lifted off with a struggle, the Jet Ranger isn't known for its muscle with four people on board and tools, and down the mountain we go, the sun now out of sight and the light failing. At least it is up and working. Fine tuning and such will have to wait for another trip.

Editor's note. Many thanks to Jerry, Tim and Doug for all their work putting this repeater on line. Special thanks to Jerry for the great article

Juneau Amateur Radio Club

November 1, 2000

The Juneau Amateur Radio Club will meet at McPhetres Hall of the Holy Trinity Church at 4th and Gold at 7:30 PM on Wednesday, November 1, 2000.

November program:

Rick Kaplan, KL7AK, will present a program with video on his adventures on Kudiakof Island, which took place in August of this year. Rick operated an "Island-on-the-Air" (IOTA) Dxpedition on the Bering Sea island along with Blaine Berg KL7TG (formerly a JARC member) and two others. Although all propagation was lost during the second and third days because of major solar storms, the group managed to make over 1000 contacts with 50 different countries in their 4½ days on the island.

Jerry Prindle KL7HFI President for Remainder of 2000:

JARC bylaws require that a Club officer vacancy be filled at the next regular meeting. During the October meeting, Jerry consented to fill the remainder of Greg Griffith's term for the next three months.

Heinzelmann Ridge Repeater 146.640(-):

Jerry Prindle KL7HFI will have installed the new JARC repeater on Heinzelmann Ridge on Saturday October 28 if all goes according to plan. This new repeater will better serve JARC members in the Mendenhall Valley and communities and boaters in areas west of Juneau including Gustavus, Hoonah, and Funter Bay. Jerry has worked hard on this project and it should result in some great new possibilities. Give the new repeater a try if you're in the Valley.

New Callsigns Result from Intensive 3 Day Class for Technician Class in October:

Juneau has 11 newly licensed Technician Class operators and an upgrade to General Class resulting from the weekend class and VE exams at the beautiful National Weather Service facilities on Mendenhall Loop Road. We congratulate Rick Lestor WL7MD for upgrading to General Class and the following folks who earned their new Technician class callsigns: Bob Bigman KL0ZF, Belinda Burch KL0ZG, Kim Custer KL0ZH, Melanie Fluhardy KL0ZI, Harry Fluhardy KL0ZJ, Chad Guertin KL0ZK, Frank Guertin KL0ZL, Bud Morris KL0ZM, Jerry Painter KL0ZN, Ed Plumb KL0ZO, and Michael Richmond KL0ZP. It is remarkable that it took only nine days following the exams to get these calls issued. Jerry Prindle, Bob Dewey, and Bob Simpson served as instructors and volunteer examiners and Rick Kaplan served as an instructor for a large portion of the material in the course.

November VE Testing:

Exams will be at 10 AM Saturday morning, November 18 at the National Weather Service Office. Please inform Bob Simpson at the meeting or give him a call 789-9344.

Jamboree on the Air (JOTA):

Juneau Amateur Radio Club hosted Jamboree On The Air (JOTA) station KL7GPG at Riverbend Elementary School October 21, 2000. JOTA provides an opportunity for young people in the various scouting programs to communicate with other scouts using amateur radio. For the amateur station we used recently donated equipment received from the George Reifenstein (W3ML SK) estate along with the JARC tri-band Yagi antenna. Many thanks to Bob Simpson NL7XZ, Red Tomlinson WL7UX, Sam Smith KL0KZ, and Bob Dewey WL7QC for their time and efforts in making JOTA a fun event for local scouts and their leaders.

National Weather Service Special Event:

The National Weather Service and the American Radio Relay League will host the 2nd annual National Weather Service Special Event for amateur radio. Last year amateur radio operators participated from 56 NWS offices to recognize the contributions that hams make to the NWS during times of severe and significant weather. These operators contacted approximately 16,000 people worldwide to celebrate the hams who volunteer their time and effort to relay critical weather information to NWS offices. This year's event will occur from 0000 to 2400 UTC on Saturday, December 2, 2000 (3 PM AST Friday to 3 PM AST Saturday). The weather forecast office (WFO) in Juneau and JARC have already made plans to participate in the event. A temporary site will be setup at the National Weather Service office on the Back Loop. Jerry Prindle is JARC's point of contact and has registered the site under KL7GPG. For additional information go to the National Weather Service Special Event site at <http://www.nws.gov>. Please come out and help us make as many contacts as possible.

Tell us your new E-mail Address:

Sam Smith KL0KZ our club Secretary has been sending out our Newsletters electronically to the 90 percent of our membership who use Email. Please contact _____ if you obtain a new e-mail address.

Wednesday Lunchtime Meetings:

Local Hams and visitors meet weekly for an informal lunch at the Atrium Café, Jordan Creek Mall, every Wednesday, 12:00 p.m. to exchange information and enjoy the social aspects of amateur radio. If you can not find Jordan Creek Mall, it is across the street from the Nugget Mall in the Mendenhall Valley. The JARC repeaters are monitored and someone will provide directions.

New Computerized License Exam Courses and Videos Available Soon:

The ARRL responded to our email inquiries on when new videos and associated computerized courses matching the new question pools would become available. The new Technician Course will be out in February 2001 and the General Class course should become available in April. These revisions will make instructing and self-study much more efficient.

ARES Net meets on 146.82 repeater system each Tuesday at 7PM

The Northern Southeast Alaska Amateur Radio Emergency Service (ARES) net operates with very good participation from Haines, Gustavus, and Juneau every Tuesday at 7:00 PM on the 146.82 repeater. 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!

For Sale:

US Tower model TX-455 with motor drive, HamIV rotator, and Mosley tri-band antenna. All in good condition. \$2050. You take down and you ship. Located in Juneau, Alaska. Contact Mrs. George Reifenstein, 907-789-0832.

For Sale: Alliance rotator and controller, 200+ feet of control cable. Rotator rated for antennas with up to 10 sq. ft. wind loading. Very good condition. \$200. Contact Bob Dewey at 907-789-7662.

Juneau Amateur Radio Club

October 4, 2000

JARC 2000 Club Officers:

President KL0MW Greg Griffith

Vice President WL7CSM Leimomi Matunding

Secretary KL0KZ Sam Smith

Treasurer WL7WB Paulette Sill

VHF Chair AL7BP Howard Shepard
Past President KL7GT Jon Newstrom

The Juneau Amateur Radio Club will meet at the undercroft of Holy Trinity Church at 4th and Gold at 7:30 PM on Wednesday, October 4, 2000. The undercroft is accessed at 325 Gold through the office entrance instead of the normal location at McPhetres Hall.

October program:

Dan Squires (KD3WN) will give a demonstration of PSK31. This should be a very informative program.

It was pointed out at the last meeting that the bylaws require that a Club officer vacancy be filled at the next regular meeting. Since our President, Greg Griffith, resigned due to moving from Juneau, we have a vacancy that must be filled for the remainder of Greg's term. As Vice President, Leimomi has been filling in, but we need to fill out the staff. Be prepared to volunteer -- it's only for 3 months. Thanks.

Heinzelmann Ridge Repeater:

Jerry Prindle KL7HFI still has the repeater operating from his home on 146.64 (-). The new repeater will be installed on Heinzelmann Ridge as soon as Jerry is able to hitch a helicopter ride up to the ridge. Jerry hopes to have the repeater operating on site sometime during October if the weather cooperates and the helicopter ride materializes. This new repeater will better serve JARC members in the Mendenhall Valley and communities and boaters in areas west of Juneau including Gustavus, Hoonah, and Funter Bay. Jerry has worked hard on this project and it should result in some great new possibilities. Give the new repeater a try if you're in the Valley.

Mt Ripinski Repeater: The repeater is operational on 147.06(+). The 6 meter portion is not operational, but Jerry is still working with the Yukon Amateur Radio Association to get it going.

Intensive 3 Day Class for Technician Class Licensing scheduled for October 13, 14, and 15:

JARC will hold an intensive 3 day licensing class on the weekend beginning Friday evening October 13 at the National Weather Service Office at 8500 Mendenhall Loop Road. The entrance is actually on Back Loop Road about 0.4 Miles west of the intersection with Glacier Loop. The class will run all day Saturday, October 14 and Sunday, October 15 with the exam on Sunday afternoon. We will follow the Seattle Mike & Key Radio Club's intensive training format and must involve several volunteer instructors. Pre-registration will be requested so that we can determine requirements for materials. Please let us know of your interest in helping with this effort and of any people you think would be interested in taking such a class by calling Sam Smith at 780-6676 or Bob Simpson at 789-9344. The cost will be \$30 for the class and recently revised "Now You're Talking". If you need just the book the cost is \$19 and \$11 for the class with no book. **You don't have to take the class in order to take a test. Also, if you're ready for an upgrade, written or code let us know ahead of time so the materials can be prepared.**

October VE Testing: There will be an exam on October 15th at the National Weather Service Office at 3 PM. Please inform Sam Smith at the meeting or give him a call 780-6676.

Jamboree on the Air: The JOTA will be held this year at Riverbend School from 1:00 p.m. to 5:00 p.m. on October 21st with setup beginning at noon. Bob Dewey will coordinate the event. Volunteers are needed, please contact WL7QC (Bob) on the repeater or at 789-7662.

National Weather Service Special Event: The Club has been invited by the Meteorologist in Charge of the

Juneau office of the National Weather Service, Laura Furgione (KL0XG), to participate in an event to recognize the contributions that hams make to the NWS during times of severe weather. The Special Event will take place from 3PM AST Friday, December 2, 2000 to 3PM Saturday. This event was cosponsored last year by the NWS and ARRL and will be repeated this year. The WFO is hoping to add HF and VHF stations at their new facility off of the Back Loop Road to be used in emergencies. This relationship between HAMS and the NWS has been very helpful during weather emergencies at other field offices and we are being given the opportunity to participate. If the new station isn't on-line by December 2nd, the Club will provide a field station such as we use on Field Day. There will be more information at the November meeting. A great opportunity for the Club!

Tell us your new E-mail Address: Sam Smith KL0KZ our club Secretary 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.

Wednesday Lunchtime Meetings: Local Hams and visitors meet weekly for an informal lunch at the Atrium Café, Jordan Creek Mall, every Wednesday, 12:00 p.m. to exchange information and enjoy the social aspects of amateur radio. If you can not find Jordan Creek Mall, it is across the street from the Nugget Mall in the Mendenhall Valley. The JARC repeaters are monitored and someone will provide directions.

Upcoming Meetings: At the November meeting, Rick Kaplan, KL7AK, will present a program on his adventures on Kudiakof Island which took place in August of this year. Rick operated an "Island-on-the-Air" (IOTA) Dxpedition on the Bering Sea island along with Blaine Berg KL7TG (formerly a JARC member) and two others. The Kudiakof Islands are part of the Northern Alaska Peninsula West group and will count as a new IOTA island. Their station operated on the island late from the evening on the 4th of August, UTC, until early in the morning on the 9th of August, UTC. Although all propagation was lost during the second and third days because of major solar storms, the group managed to make over 1000 contacts with 50 different countries in their 4½ days on the island.

Equipment for Sale:

Alliance HD-73-1 dual speed rotator, desk control, and 200+ feet of new control cable. All VG condition. \$200. Contact Bob Dewey, WL7QC at 789-7662.
Heathkit SB-200 HF linear amplifier. 1200 Watts PEP (about 600-700 Watts output), very good condition, Harbach Soft Key mod, extra set tubes and manual. \$300.00. Hewlett Packard 608D RF signal generator. Old and large but in very good condition and works fine, with manual. FREE. Wavetek 3001 solid state RF signal generator. Very good condition and works fine. With manual. \$100.00. Contact: Rick Kaplan, KL7AK, (wk) 465-2710, (hm) 463-5816.

Satellite Communications:

Glenn Sicks KL0QZ

YOU NEVER KNOW WHERE A QSO WILL LEAD YOU

While monitoring the repeaters late on September 10th, I heard KL4E (Craig Bledsoe from Eagle River) call CQ. I answered his call, and he soon invited me over to the Super 8 to participate in a satellite comms. demonstration at 10pm. With the heavy rain that night, I wisely chose to meet him and Hal Cleek from Juneau for the noon pass the following day.

To back up a little, I bought my Yaesu 50RD HT after reading that it could be used effectively for satellite comms., but never knew enough about satellite repeaters to use it. I was therefore very interested in this

opportunity to learn from the expert.

Craig had his Yaesu VX-5R connected to a handheld Arrow dual-band beam antenna, and he directed me to point it NNE at the horizon. Very soon we heard the satellite's static and then heard WL7BD ("Big Dan" O Barr) in Anchorage. His transmissions were as clear as those on our own repeaters, and Craig told me that Dan provided the information on satellite passes that we were using on this UO-14 satellite. After a short QSO with Dan, another ham in Tacoma made contact with us. By the time we finished with him, the satellite had passed overhead and soon we lost contact as it dipped below the horizon. This pass was relatively high (about 50 degrees elevation) so this was a relatively long window of opportunity.

The lessons that I learned from Craig that afternoon were many. First, you need the satellite pass information to quickly access the satellite (i.e. when you hear its static signal). Next, you need a dual band radio and antenna for a 2m uplink and a 70cm downlink. The Arrow beam antenna that we used was designed for satellite comms., and it was very effective connected to Craig's VX-5R. Next, the radio has to be programmed for the duplex operation on the satellite's frequencies. Because of the doppler effect, the frequencies change slightly as the satellite passes from horizon to horizon and the radio also must permit retuning in 5 kHz steps. We found that it was really a 3-person job pointing the antenna, adjusting the radio and holding a QSO that day.

Since my introduction to the satellite world, NL7XZ (Bob S.) and WL7QC (Bob D.) have also been bitten by the same bug. We played with Bob D's and my new Arrow antennas at Bob S's home recently and found that we too can have great QSO's via satellite. (Pictures of that day are available from Bob S.) One of my best QSO's via satellite has been with VE6EGN (Egon Backe) who lives near Edmonton, Alberta. When I drive south this month, I'll pass very close to his home QTH, and he has invited me to stop for coffee. Bob D. has mounted his Arrow antenna on a tripod which makes one-person operation much easier.

So, are you interested in making your own satellite contacts? The best place to start is to read the April and August 2000 "QST" articles on satellite comms. Then check out "Big Dan's" website at:

[http://www.bigdan.net](#) for pass tables for AO-27 and UO-14 or get the appropriate AMSAT software to create your own tables. Craig travels to Juneau occasionally with his job in the Alaska State Defense Force, and he has offered to give a presentation to club members at one of the monthly meetings over the winter. He can be contacted at: KL4E@ARRL.net. The club will soon have many home-grown satellite "Elmers" too who will be eager to pass on this relatively new way of communicating. The next time you see people out in a field with a handheld beam check to see if they are other hams, or just tracking wildlife that has been collared.

Note: Glenn has some excellent technical reference data which he will be glad to forward to you. Contact KL0KZ at ssmith@ptialaska.net or at the regular monthly meeting.

Juneau Amateur Radio Club

September 6, 2000

JARC 2000 Club Officers:

President KL0MW Greg Griffith
Vice President WL7CSM Leimomi Matunding
Secretary KL0KZ Sam Smith
Treasurer WL7WB Paulette Sill
VHF Chair AL7BP Howard Shepard
Past President KL7GT Jon Newstrom

The Juneau Amateur Radio Club Resumes Activities Following the Summer Recess with the Monthly Membership Meeting on September 6. Place: McPhetres Hall, 4th and Gold St., Downtown

Time: 7:30 PM Refreshments will be provided

New Repeater

to Better Serve Members in the Valley and west to Icy Strait: Jerry Prindle KL7HFI now has the repeater built and operating from his home on 146.64 (-). The new repeater will be installed on Heinzelmann Ridge As soon as Jerry is able to hitch hike a helicopter ride up to the ridge. We hope to have the repeater operating on site before the September monthly meeting. This new repeater will better serve JARC members in the Mendenhall Valley and communities and boaters in areas west of Juneau including Gustavus, Hoonah, and Funter Bay.

Mt. Ripinski Repeater near Haines is Installed and Operating on 147.06(+) Jerry Prindle finally was able to install the repeater, provided by the Yukon Amateur Radio Association in Whitehorse, on Mt. Ripinski. This repeater will link with the Canadian system of repeaters serving the Highway system to Haines Junction, Whitehorse, and Skagway. Jerry is working with the Yukon folks to fix the 6 meter transmitter on the repeater.

Intensive 3 Day Class for Technician Class Licensing

being considered for late October: JARC is planning to conduct an intensive 3 day licensing class on the weekend beginning Friday evening October 27. The class will run all day Saturday October 28 and Sunday October 29 with the exam on Sunday afternoon. We will follow the Seattle Mike & Key Radio Club's intensive training format and must involve several volunteer instructors. Pre-registration will be requested so that we can determine requirements for materials and the location. Please let us know of your interest in helping with this effort and of any people you think would be interested in taking such a class by calling Sam Smith at 780-6676 or Bob Simpson at 789-9344.

Tell us your new E-mail Address: Sam Smith KL0KZ our club Secretary 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.

JARC Picnic:

Took place on July 14th at Sandy Beach. Thanks to the 45 attendees and the good weather that made it a successful and enjoyable event.

Field Day June 24-25

The ARRL National Field Day was held on the weekend of June 26 and 25. Charley Gray KL7IG headed up the planning for this event and he was assisted by Howard, AL7BP, and Matt, NL7UZ, to install pulleys and lanyards on the towers to accommodate a 500-foot V-antenna aimed toward the south central part of the U.S. In addition to the SSB/CW station, Larry, KL7IWC, Teresa, WL7CQA, and Dan, KD7WN, operated a RTTY station. Sam, KL0KZ, provided a portable diesel generator for emergency power. Propagation was not all that good during the 24-hours of the field day program. A total of 200 contacts were made. The log was submitted and results will be published in QST. Thanks to Hal, KL7JAW, who provided his motor home for the club's

use during Field Day. KL7IG, NL7XZ, KL0QZ, KL0KZ, WL7QC helped with setup and take down.

Fourth of July Parade

Once again JARC volunteers provided communications for the Juneau Fourth of July Parade. Rick Kaplan KL7AK was the club coordinator for this event . Kaplan, Liemomi Matunding WL7CSM, Robert Martin AL7IQ, Sam Smith KL0KZ, and Laura Furgione worked at the parade staging area; Annie Fuller was at Main and Egan; and Rebecca Sakarias at the old police station. Time spent on this activity including the pre-parade planning session was about 35 hours. The hams operated on 146.52 simplex during the parade.

Wednesday Lunchtime Meetings:

Local Hams and visitors meet weekly for an informal lunch at the Atrium Café, Jordan Creek Mall, every Wednesday, 12:00 p.m. to exchange information and enjoy the social aspects of amateur radio. If you can not find Jordan Creek Mall, it is across the street from the Nugget Mall in the Mendenhall Valley. The JARC repeaters are monitored and someone will provide directions.

September VE Testing

We will decide whether or not to have an exam in September at the monthly meeting on the 6th. If you know of anyone interested in an exam in September please inform Sam Smith at the meeting or give him a call 780-6676.

Rick Kaplan Operated IOTA Dxpediton

on Bering Sea Island in August Rick Kaplan KL7AK along with Blaine Berg KL7TG (formerly a JARC member) and two others operated on Kudiakof Island in an "Island-on-the-Air" (IOTA) DXpedition. The Kudiakof Islands are part of the Northern Alaska Peninsula West group and will count as a new IOTA island. Their station operated on the island late from the evening on the 4th of August, UTC, until early in the morning on the 9th of August, UTC. Although all propagation was lost during the second and third days because of major solar storms, the group managed to make over 1000 contacts with 50 different countries in their 4-½ days on the

island. Rick will give us a presentation of his unusual experiences in this Dxpediton at one of our monthly meetings.

Equipment For Sale:

Heathkit SB-200 HF linear amplifier. 1200 Watts PEP (about 600-700 Watts output), very good condition,

Harbach Soft Key mod, extra set tubes and manual. \$300.00

Hewlett Packard 608D RF signal generator. Old and large but in very good condition and works fine, with manual. FREE

Wavetek 3001 solid state RF signal generator. Very good condition and works fine. With manual. \$100.00

For all the above contact: Rick Kaplan, KL7AK, (wk) 465-2710 (hm)463-5816

