

Anchorage Amateur Radio Club



**General Meeting
January 6th, 2011
7:00 PM Carr-Gottstein Bldg.**



**Mike O'Keefe
"All you ever wanted to know about ARES and
were afraid to ask."**

The following is reprinted courtesy of KSL.com, Utah.

BOUNTIFUL — Some people just know when they find a hobby to last a lifetime. For Gary Johnson, it's being a HAM radio operator. "I love it," he said. "There's a fire in my belly. I do love this hobby a lot."

There are times, though, when his hobby stops being a hobby and becomes something so much more. When severe winds hit northern Utah Thursday, Johnson and his HAM radio friends were called into action.

"We were used to pass information, health and welfare," he said; "be the eyes and the ears of the police department."

What is ... amateur radio?

Amateur radio (also called ham radio) is the use of designated radio frequency spectrum for purposes of private recreation, non-commercial exchange of messages, wireless experimentation, self-training, and emergency communication. The term "amateur" is used to specify persons interested in radio technique solely with a personal aim and without pecuniary interest, and to differentiate it from commercial broadcasting, public safety or professional two-way radio services.

(Source: Wikipedia.com)

Johnson, or N7DND to his friends, was at home in Bountiful when he got the call from the Davis County sheriff. Communications were breaking down because of all the commotion, and the sheriff was wondering if some HAM radio operators could help get messages through to emergency personnel.

Within no time, Johnson had 18 volunteers who were staffed at cities throughout Davis County.

"To have those HAM radio operators on call, and even in our radio room, was a tremendous asset for us," said Davis County Sheriff's Lt. Brad Wilcox.

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In a normal 24-hour period, dispatchers at the Davis County Sheriff's Office get 625 phone calls on average. But Thursday, they had more than double that — 1,373 phone calls.

"Our system was saturated. We were at maximum," Wilcox said.

Related:

[Damage from windstorm could total more than \\$20 million](#)



Wind-caused damage from Thursday's storm should easily top \$20 million to homes, businesses and public infrastructure in Davis County alone — even as debris removal costs mount over the weeks to come.

The lines were so maxed out, sometimes dispatchers couldn't respond to police right away.

"It was very scary for the dispatchers to push the button and not be able to talk for three minutes," Wilcox said, which is where the HAM radio operators came in handy. For Johnson, it was an all day job — but one that kept him smiling every single minute of it. He knew his team made a difference. "We train and we live for days like this," he said. "This is some of the most excitement that we can have."

HAM radio operators in the area have training sessions every single week and a general meeting once a month, and it's all volunteer.

Email: acabrero@ksl.com

To view a video of this interview go to

<http://www.ksl.com/?nid=148&sid=18335745&title=ham-radios-come-to-the-rescue-during-utah-wind-storm>

THE AARC ANTENNA

From Craig Bledsoe:

Here is the report you requested about the AMSAT-sponsored tour of the Stanford University 150-ft dish antenna. Dale Hersherberger, KL7XJ, my XYL Ruth Ann, and I visited this impressive facility immediately following the 2011 International Satellite Symposium in San Jose this past November. For information about the presentations at the Symposium (ham radio satellite convention) itself, please go to <http://www.amsat.org/amsat-new/symposium/2011/Presentations.php> for details.

Note that the Sunday tour of the Stanford Dish was a last-minute addition that was far more exciting than the originally scheduled Sunday tour of the San Jose Technology Museum. On the morning of November 6th, the three of us piled our bags into our rather elderly rental sedan, left the Wyndham San Jose in formation with a Stanford University 15-pax van, and lumbered northward on the I-280 into the Los Altos Hills. Soon the gigantic dish appeared on the horizon, even though we had several miles to go until we turned onto Sand Hill Road and subsequently drove cross country to the access gate. Other local hams met us near the gate with their vehicles, and the entire group proceeded through a controlled access checkpoint with minimum difficulty.

THE 150-ft DISH

Vital Statistics:

Parabolic Reflector Antenna

Assembled: 1959-1961
site: Stanford University Radio Science Field site, academic reserve area
horizon: max 3 deg

diameter 150-ft (45.7-m)

f/d: 0.42 - the focus is 63-ft from surface at the center

surface mesh - 5/8-in spacing, soft aluminum hex pattern
surface roughness - approx 1-in
gravitational deformation - approx 1-in at edge for min to max elevation

gain / beamwidth attainable: with appropriate feeds
@ L-band (1420 MHz feed), 0.25 degree BW, 35% eff, 52 dB
@ UHF (400 MHz), 1.0 degree BW, 55% eff, 43 dB
@ VHF (150 MHz), 3.0 degree BW, 55% eff, 35 dB

feed arrangement: prime focus, tripod structure, feed house
tilting feed platform for small apparatus, high power cables

reflector structure weight: 100,000 lbs
steel torus ring, aluminum tubular rings & radial trusses
non-homologous, light-weight design
total structure weight: 300,000 lbs

motion: elevation over azimuth - wheel & track, CR-170 rail
steel 4-wheel alidade on 140-ft diameter track for azimuth
rack (bull gear) & pinion spur gears for elevation motion


practical limits: azimuth 2-turns, elevation 3 to 87 deg
azimuth cable wrap via central hole & tunnel

programmed tracking speed: 1 deg/sec acceleration: 1 deg/sec²
useful for LEO satellite tracking to elevations of approx 65E

motion control - AC vector controlled 25-HP motors giving full torque
through the entire speed range + to - including 0 with dynamic braking (60-HP capacity)


control computer - PC with appropriate multiple parallel interfaces
programmed in Pascal, code similar to Sondrestromfjord (Greenland) incoherent scatter radar,
GPS timing available

positional resolution: 0.01 deg, az & el, 1-turn binary optical encoders
unique azimuth encoder offset mechanical connection



**AMSAT 2011
Symposium**

**CRAIG
KL4AE**



**AMSAT 2011
Symposium**

RUTH ANN



Once parked at the hilltop where the dish is located we were awestruck at just how huge this device really is - and not only that, but the complete 3000,000 pound structure moves on a gently curved railroad track in a complete circle carrying its entire operations building with it as it rotates. The attached "Vital Statistics" handout gives all the specific details of the Stanford Dish's state-of-the-art communications and radio astronomy capabilities. One interesting fact not covered in any of the literature we saw is that the area is a wildlife preserve and is teeming with creatures of all varieties. For example, ground squirrels and related varmints lived in nu-

THE AARC ANTENNA

merous burrows that riddled the hillside surrounding the dish. A number of foxes were scouring the vicinity looking for easy pickings, while several species of hawks patrolled the skies on the same mission. While we were there a fox caught and dragged off a ground squirrel followed by a red-tailed hawk that took a frantically kicking jackrabbit airborne for some unwanted "frequent-flyer miles." Some of the younger kids on the tour were commenting about the scenes from the "Circle of Life" that they saw, but this was a little more graphic than the Disney version. Hakuna Matata, oh well...

Meanwhile back at the dish, our traveling companions positioned themselves around the railroad track at the base while I took off down the hill on a photographic expedition. Since I didn't have a wide angle lens in my camera bag, it took a considerable hike across potholed terrain (remember the ground squirrels) to get far enough away to frame the entire structure. You can see the results of my efforts in any of the attached pictures - Dale, KL7XJ, is near the center of the frame talking to the adjacent tour guide. While all this was going on, the dish itself was rotating and elevating as it tracked various Low Earth Orbit (LEO) satellites that were zipping by. Simultaneously a number of hams in the group were clambering up stairways onto catwalks high overhead to admire the continually changing view (in several axes...)

Following my Groundhog Day photo expedition, I climbed upward to the topmost level of the dish to look across the entire Bay Area that seemed to be moving about in a most unpredictable manner. The rather "urpy" experience was kind of like being in a cross between a rotating restaurant and a carnival ride.

Finally it was time to head out, but the deciding factor was an interesting story in itself. The **moving** operations building was completely equipped with all the usual utilities, including lights, heat, air conditioning, and of course telecommunications of every variety. However there was one critical service missing, and an assortment of spouses and kids soon figured it out: There was no plumbing of any sort - which is kind of reasonable for a rotating building when you think about it, but not so good for the occupants. Thus yielding to internal hydraulic pressure we all piled into our respective vehicles and beat a hasty retreat from the great Stanford University dish. Our thanks go out to AMSAT for arranging this thrilling event, and a wonderful time was had by all - at least for the first several hours of the tour!

Speaking of Disney, next year's AMSAT Symposium has been proposed for Orlando, Florida. We can't wait to see what sort of adventures await us there in 2012.

Happy New Year,
Craig Bledsoe, KL4E
Dale Hershberger, KL7XJ



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ARRL RTTY Roundup: 1800Z, Jan 7 to 2400Z, Jan 8

First digital contest of the year is in the first weekend of the year.

Last year we had a great participation and looking forward to having more members and guests come by for a visit and try their hand at RTTY radiosport. Details as follows.

0900AKDST, 07 Jan to 1500AKDST 08 Jan 2012.

Mode:	RTTY, Digital
Bands:	80, 40, 20, 15, 10m
Classes:	Single Op (Low/High) Multi-Single (Low/High)
Max operating hours:	24 hours
Max power:	HP: 1500 watts LP: 150 watts
Exchange:	W/VE: RST + (state/province) non-W/VE: RST + Serial No.
Work stations:	Once per band
QSO Points:	1 point per QSO
Multipliers:	Each US state (except KH6/KL7) once only Each VE province/territory once only Each DXCC country (including KH6/KL7) once only
Score Calculation:	Total score = total QSO points x total mults
Submit logs by:	2359Z February 7, 2012
E-mail logs to:	RTTYRU[at]arrl[dot]org RTTY Roundup ARRL
Mail logs to:	225 Main St. Newington, CT 06111 USA
Find rules at:	http://www.arrl.org/rtty-roundup

I'll submit to KL7AA email reflector.

Rich Gillin - AL4S
907.884.1404
skype/ooVoo: rich.gillin
VHF/HF email: al4s@winlink.org

Is AARC going to participate in Alaska Shield 2012?

Below is the information about Alaska Shield 2012 that Don Bush sent to his MARA constituents.

For those that have served in the Military, you know what a Warning Order is. For those folks that haven't heard about them, you do know what an Alert is. About 2 years ago the State had a statewide emergency exercise, called Alaska Shield 2010; well, standby for Alaska Shield 2012. The last exercise brought up many interesting facts. A lot of the facts were more evident in the smaller communities around Alaska than were in Anchorage where the SEOC (State Emergency Operations Center) is located.

Since then, the power outages in the Valley, hurricanes force winds in the Valley, and this year more so in Anchorage, and the extreme winter storm that hit Nome, Bethel and several smaller communities in northwest Alaska, have demonstrated the challenges Emergency Services has ahead of them in more devastating situations. During all of these exercises or emergency, Ham Radio was there.

The commercial communication systems and internet had extreme challenges in providing communications. During Emergencies the chances that normal communications means may fail is always there and as we have seen the phones systems are more vulnerable now due to the use of fiber hubs, instead of the old POTs Lines (Plain Old Telephones) that use to be connected by copper all the way back to the CO. You may think you still have copper because you have telephone line wire running to your house, but the little huts or large green boxes you see in most subdivisions now days, is as far as that copper goes. The requirements of commercial phone systems needing power or having limited battery backup will be a major challenge for people to respond, support or report problems. Telephone systems that are supplied by coax cable type plants have an 8 hour battery to keep them running. A lot of folks have remote phones that require AC or batteries to keep them going. Cell phone systems will be there but have power limitations as well and could become overloaded and unusable.

So what do you have left? Well, when all else fails call a ham. Yes the floods in the Valley required hams to report local conditions back to the EOC, major power outages resulted in not only no power but phone outages or systems overloaded. Now ARES and MEA have a backup plan to support them during such situations. The storms in the Northwestern area of Alaska, commercial systems failed. NOAA and the SEOC continued to get reports from Ham Radio Operators

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every 2 hours of the changing situation of the communities in the affected area throughout the storm. The SEOC has installed a ham radio and Anchorage ARES is putting together ham teams to man it. We have installed emergency ham stations in the AK Native Health Hospital and Warehouse. We are working on finishing installations in AK Regional Hospital and H&SS State EOC. The Kenai hams have installed HF in 4 or 5 of their hospitals. Fairbanks is establishing a Ham Station for the Red Cross and MATSU will be assisting the Red Cross in re-establishing a station for the Red Cross at the Sports Arena.

So now for the Warning Order. Several communities and the SEOC have requested Ham Radio Support for Alaska Shield 2012. The main part of the statewide exercise will require ham radio for a 2-4 hour period on Friday 10 Feb, 2012 to handle incoming and outgoing traffic to various communities in Alaska and U of A campuses. Cordova, Valdez, Fairbanks, Matsu, & Kenai will be the main areas need support. U of A would like to send traffic from their main EOC to all of their various campuses across the state. KL2GY is working on getting us points of contact. This may just be a message to the campuses that will demonstrate that they can send or receive traffic. It will not require stations to be manned to do this but we may need to call or deliver a message to them during the exercise. Valdez and Cordova will be using ham radio for major support of traffic to and from their locations to the SEOC. MATSU will be in general support to the MATSU EOC at Station 61 and the JIC (Joint Information Center) at the MATSU Animal Control Building off 49th/State Street and STATEWIDE NET Control, on Friday the 10th of Feb for about 8 hours and then on Saturday 11 Feb, the Red Cross and Matsu Regional will be running shelter operations. MATSU hams will require operators stationed in Talkeetna, Sun Shine School or Senior Center, Wasilla High, Colony Middle School, Matsu Regional, and the Wasilla Red Cross HQ in Wasilla to support communication for about 8 hours.

Friday, we will establish MARA's Main Station at Station 61. We will require 2 HF, 4 VHF, Winlink, APRS & Packet stations there. We will set up the support trailer for long range comms and the VHF JPOLEs. We'll need setup crews/tear down crews and about 10-15 folks to be on hand for manning the radios, handling traffic, logging, and be on hand to deploy if required. We will need 1 or 2 operators to work at the JIC, mainly VHF back to the EOC at Station 61. It's possible they may need VHF Comms between Nancy Lake and Houston area to relay back to the EOC. Operators should have their Go Boxes ready. We will need a couple home stations that have good long range comms for relays if required. We should only be needed for about 8 hours.

Saturday to support shelter operations, we will need stations deployed and setup in Talkeetna area, Wasilla High School, Colony Middle School, Matsu Regional Hospital, and at Wasilla Red Cross HQ off Cursey Street. It would be

THE AARC ANTENNA

nice to have 2 operators at each location. You will need VHF radios possible outside antennas, coax, battery or power supply to run your stations. The hospital will be running their alternate care station at Colony School. Ray, KL1IL will be manning that station. This exercise should be about 6-8 hours. We have been told that this operation will only require voice ops and no HIPAA, confidential info will need to be passed.

All deployed operators should have standard Go Box Materials, as suggested in the MATSU ARES Emergency plan, available on my web site. [<http://home.gci.net/~dbush>] <http://home.gci.net/~dbush>

The exercise will be in support of a severe weather event, low temp, high winds, power and commercial communications outages. I know that the Friday operation may be tough for some folks to help, but we sure can use the help. The hams need to be able to show emergency services from all areas of the state that we can support them with backup communications. We have made great strides over the past few years to prove that. Hams all over the state thru Statewide ARES groups are sharing info and supporting each other. ICS training is coming along and in some cases, the hams know more about the ICS system than some of the folks they are supporting. The main key is education, both on their part and ours. Every time we get the opportunity to operate and demonstrate ham radio to the public they learn more of our capability and we learn how we can better support them during emergencies. Remember we are operators and work outside the normal box that Emergency Services or Commercial Communications can't do. We always have a backup plan and redundant systems to keep on operating.

All hams have skills that can be used during operations; we are constantly learning something new when we operate and improving our skills. We have new hams, just starting out, and then the folks that have been hams longer than I can remember. A blend of the old and new makes us quite resilient and successful. We can teach each other quite a bit.

Editor's Note: The following information is intended for Don's MARA constituents.

All operators that can assist, please contact me, KL7JFT Don at [<mailto:dbush@gci.net>] dbush@gci.net, [<mailto:kl7jft@arrl.net>] kl7jft@arrl.net, [<mailto:kl7jft@winlink.org>] kl7jft@winlink.org, or call 746-6845. You can also contact your Emergency Coordinator for your area to volunteer. As I get you contact info, I will send you the Commo Package for the exercise.

Palmer, Jim Wardman N9RNL at [<mailto:jwxn9rnl@gci.net>] jwxn9rnl@gci.net or

THE AARC ANTENNA

n9rnl@winlink.org

Wasilla, Ray Hollenbeck KL1IL at [<mailto:kl1il@arrl.net>] kl1il@arrl.net

Willow/Meadow Lakes, Mark Allan KL2EC, [<mailto:mka@gci.net>] mka@gci.net or kl2ec@winlink.org

Trapper Creek/Talkeetna, Hal Morgan WLOWX, [<mailto:krotocreek@hotmail.com>] krotocreek@hotmail.com or [<mailto:wlowx@winlink.org>] wlowx@winlink.org

We would like to firm the list up by the end of January, so please contact us.
Thank you so much for your support.

Don Bush
KL7JFT
MATSU DEC
746-6845

From Craig Bledsoe, KL4E

Hello Everyone >>>

The following information was provided by Infragard, the FBI's Infrastructure Protection civil support organization. This is of particular interest to hams who are involved in emergency communications support activities (ARES, etc.), so please distribute this to the membership in case any of our folks are interested in signing up and participating.

Thanks and 73,
Craig, KL4E

----- Original Message -----

Register now to join the new InfraGard National Electromagnetic Pulse Special Interest Group (SIG) at this site: [<http://empsig.eventbrite.com/>] <http://empsig.eventbrite.com>. For more information see below:

On September 20, 2011, the InfraGard National Members Alliance (INMA) launched a SIG that focuses on threats that could cause nationwide long-term critical infrastructure collapse. Named the EMP SIG, after electromagnetic pulse, it covers all similarly dangerous hazards such as extreme space weather, coordinated physical attack, cyber attack or pandemics.

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InfraGard members are welcome to either apply for the EMP SIG working group, or participate as observers. Either way, please go to [<http://empsig.eventbrite.com/>] <http://empsig.eventbrite.com> to register to join the SIG, provide your contact information, level of participation interest, and information regarding your involvement and expertise in this area.

If you are interested in more information, please visit the current secure InfraGard Homepage to read through pertinent EMP SIG documents posted under "InfraGard Items of Interest." The EMP SIG hopes to foster information-sharing and trusted conversations about these critical issues and recruit nationally recognized experts to serve local InfraGard chapters. There is some video coverage of the first events that the EMP SIG supported which will be made available soon. These events included the space weather and EMP workshops at the National Defense University, the Maryland Emergency Management Agency at the Johns Hopkins Applied Physics Laboratory, and the conference at U.S. Capitol Visitors Center on October 3-6, 2011, as well as the Dupont Summit 2011 held at the Carnegie Institution for Science in Washington, DC, on December 2, 2011.

From time to time, the EMP SIG will hold either in-person or virtual meetings. As was announced ahead of time, those interested in joining the EMP SIG were able to meet briefly in-person at the end of the Oct 6th and Dec 2nd events. There are likely to be in-person EMP SIG meetings during the spring and summer of 2012 (locations TBD), as well as additional virtual meetings.

You will be advised of these meetings via the preferred email address you supply on the EMP SIG registration page.

If you have any substantive questions about the EMP SIG, you may contact the Chair of the InfraGard National EMP SIG, InfraGard member Chuck Manto, at [<mailto:cmanto@stop-EMP.com>] cmanto@stop-EMP.com.

If you have any technical questions about accessing the secure website or about InfraGard in general, please contact InfraGard Tech Support at 877-861-6298 or [<mailto:infragardhelpdesk@infragard.org>] infragardhelpdesk@infragard.org.

Robert E. Nickel

Unit Chief
Public/Private Alliance Unit (PPAU)

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Interesting letter from Yaesu — from Craig Bledsoe, KL4E, and Dale Hershberger, KL7XJ.

[
<http://xa.yimg.com/kq/groups/4815778/1668311842/name/Yaesu%20Annoucement%2012-27-11.pdf>
]
<http://xa.yimg.com/kq/groups/4815778/1668311842/name/Yaesu%20Annoucement%2012-27-11.pdf>



December 27, 2011

Dear Amateur, Marine and Air-band Valued Customers:

We would like to thank all of our valued customers for your continued support. In this letter, I am pleased to announce a recent corporate reorganization. After four years of joint venture with Motorola, we have decided to transfer the Vertex Standard LMR business to Motorola and focus on Amateur, Marine and Air-band business. The effective date for this reorganization will be January 1, 2012.

Our company name will once again be YAESU MUSEN; a name our business partners have been familiar with for over 50 years. We are delighted to bring you the legacy of trust, quality, and solid customer service that has always been associated with the YAESU MUSEN company name.

This reorganization will allow us to concentrate in Amateur, Marine and Air-band business, which will better leverage and align the strengths of our entire business operation. We believe that there is an exciting opportunity to evolve our organization to meet the needs of the Amateur Radio, Marine Equipment and Air band communication industries by continuing to provide specialized services and the highest quality products. We are excited to continue working hard to support your business.

Details of the new operation include:

- Our headquarter company name will change to YAESU MUSEN Co., Ltd and the US subsidiary will be YAESU USA Inc.
- Company is wholly-owned by Founder's family
- New Headquarter address and phone/fax number will be:
Address: Tennouzu Park Side Building 2-5-8 Higashi-Shinagawa, Shinagawa-ku, Tokyo
Phone Number: +81-3-6711-4151 Fax Number: +81-6711-4277
- No change in operation, sales organization, address and phone number of YAESU USA Inc.
- The new operation will be effective from January 1, 2012
- Our new Brand Logos will gradually begin to appear on our web site and printed materials



Please note that there is no change in the existing Senior Management Team that will continue to support your business.

- Dennis Motschenbacher leads Amateur Sales Division.
- Jason Kennedy leads Marine and Air-band Sales Division.

Should you desire additional information, please feel free to contact them.

Thank you for your loyalty and support. We are glad that you will be there with us as the new operation unfolds. Our team of enthusiastic Design, Production, Sales, Customer Service, and Repair professionals look forward to servicing you long into the future.

Sincerely yours,

Jun Hasegawa
President/ CEO
VERTEX STANDARD CO., LTD.

Minutes of Previous Meetings



There are no minutes from the November 15th Board meeting. There was no quorum, therefore, no business was transacted.

The December 2nd general meeting was our Holiday party.

Those contributing pictures were Bruce Morrison, KL7BM, Paul Spatzek, WL7BF, and Alice Baker, KI2GD.

Charlotte Rose won the Hawaiian shirt contest!!!!

[What a great picture, Bruce!!!!!!!]



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More AARC Holiday Party Pictures



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Mara had their Holiday Party on the 31st. Tom Rutigliano sent pictures. He said about 45 people attended.



KL3EZ



KL2FA



KL7OT



N9RNL—Ham of the Year



KL7HHO

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MARA — Mat-Su Amateur Radio Association

MARA President John Mears, Contact Cell 907-745-6835

Will be conducting Amateur Radio "Ham" Training Classes

Classroom training is free — Book purchase is \$20.00 for course.

Technician Classes (1st Level-Basic) MUST CONFIRM ATTENDANCE

Limited Seating — Tuesday and Thursday evenings 6PM-7:30PM.

January 10, 12, 17, 19, 24, 26

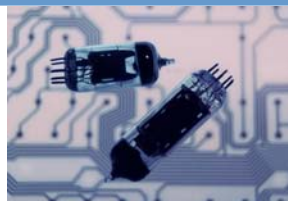
Mascot Training Conference Room

285 Riley Ave. Wasilla, AK 99654

Located near Wasilla Senior Center

WANTED!!

From: Marshall Ronne <mronne@gci.net>



Does anyone have an old tube checker they want to get rid of? I have a ton of old vacuum tubes that I'd like to check. Please contact me if you can help.

Marshall, KL7EU

Who Do I Contact to Join AARC?

Fred Erickson KL7FE

12531 Alpine Dr

Anchorage, AK 99516-3121

E-mail: membership@kl7aa.net

Phone Number: 345-2181

Annual Dues are \$12 (prorated as appropriate)

Additional Member in same household is \$6.

Full Time Student is no charge

Have you considered a Life Membership?

Life \$250.00

Senior >65 \$200.00

>70 \$150.00

>75 \$100.00

>80 \$50.00

>85 \$1.00

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People to Help You!! 2012 Officers & Board of Directors

Officers

President	Randy Vallee	KL7Z	president@kl7aa.net
Vice President	Paul Spatzek	WL7BF	vicepresident@kl7aa.net
Secretary	Kathleen O'Keefe	KL7KO	secretary@kl7aa.net
Treasurer	Ken Perry	AL7GA	treasurer@kl7aa.net
Activities	Tom Ireland	KL7IJ	Tom.ireland67@gmail.com

Three Year Board of Direc- tors

3rd Year	Tom Rutigliano	NL7TZ	nl7tz@arrl.net
2nd Year	Eric McIntosh	KL2FM	kl2fm@arrl.net
1st Year	Lara Baker	AL2R	lara_baker@ieee.org

One year Board of Directors

Mike Baker	NL7J	kl0ar@yahoo.com
Rich Gillin	AL4S	richgillin@hotmail.com
Jim Larsen	AL7FS	jim7@jimlarsen.us
Michael O'Keefe	KL7MD	mok@gci.net
TJ Sheffield	KL7TS	kl7ts@arrl.net
Doug Stowers	WL7CDC	doug37@gci.net
Jim Wiley	KL7CC	jwiley@alaska.net
Susan Woods	NL7NN	radiosuzq@yahoo.com

Other Contacts

Trustee	Keith Clark	KL7MM	trustee@kl7aa.net
Membership	Fred Erickson	KL7FE	membership@kl7aa.net
Newsletter Editor	Alice Baker	KL2GD	editor@kl7aa.net
Web Master	Roy Sursa	KL2GV	webmaster@kl7aa.net



Regular Committee Meetings:

By-Laws Committee: Contact Mike O'Keefe, KL7MD, mok@gci.net for info.

Finance Committee: Second Tuesday, 5:30PM at Hamshack.
Contact Keith Clark, KL7MM, trustee@KL7aa.net for info.

Projects Committee: Second Wednesday, 7:00PM at HamShack
Contact TJ Sheffield, KL7TS, kl7ts@arrl.net for info.

VEC Testing: Testing on 1st Tuesday and 2nd Saturday each month.
Contact Jim Wiley, KL&CC, jwiley@alaska.net for info.

VHF: As needed (usually with a repeater in trouble and needing "aid").
Contact Doug Dickinson, KL7IKX, kl7ikx@yahoo.com.

For Sale



If you have equipment that you want to have listed for sale, please notify the editor at editor@KL7AA.net before the 20th of the month. Thanks for your help.

Items advertised will have a "date of first appearance" added — and they will be deleted after two months appearance on the newsletter unless we are otherwise notified.

Ken Perry, AL7GA, Treasurer, will be taking orders for club badges and hanging tags. If anyone wants one, or one of the hanging bars (President, Board Member, Volunteer Examiner, etc.) the costs are \$15.00 for the badges and \$5.00 for the bars. Orders should be sent to treasure@kl7aa.net.



Upcoming Events



RTTY Contest — Join Rich Gillin at the Hamshack — anytime between 9:00 AM Saturday, January 7th and 3:00 PM, Sunday, January 8th.

Knik 200 Sled Dog Race -

Jan 7th & 8th.
Contact: Bob Sexton, KL2L:, 491-0893.
Start at Knik Bar & Grill, 11:00 AM, January 7th.



Alaska Shield 2012

Friday, February 10th & Saturday, February 11th.



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Anchorage Amateur Radio Club
PO BOX 101987
9510-1987
www.KL7AA.net



ARES DISTRICT 7 & 5
KL7AA & KL7JFU
www.aresalaska.org



January 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3 VE Testing	4	5	6 General Meeting 7:00PM	7 RTTY Exercise 9:00 AM
8 RTTY Exercise ends 3:00 PM	9	10 Finance Com. 5:30 EARS Genl. Mtg	11 Projects Com. 7:PM Mara Board Mtg. 6 PM	12	13	14 VE Testing
15	16	17 AARC Board Meeting 7 PM	18	19	20	21
22	23	24	25	26	27	28 Mara Meeting 12 Noon
29	30	31				

ARES NETS:

1st Thursday: HT / Portable
 2nd Thursday: Mobile Madness
 3rd Thursday: RED CROSS
 4th Thursday: Emergency Power

ARES Net: Thursday Nights 8:00 PM
147.27+ PL:103.5
or 443.30+ PL 103.5

THE AARC ANTENNA

MONTHLY EVENTS

1st Friday each month: AARC general meeting - 7:00 PM in the Carr-Gottstein Building, on the APU Campus. Talk in will be on 147.27+ repeater.

1st Tuesday each month (except for holidays):

VE License Exam 6:30 PM, at the Hope Cottage offices, 540 W International. Bring photo ID, copy of license (if any) and any certificates of completion. Contact: Jim Wiley, KL7CC 338-0662.

1st Thursday each month: Moosehorn Amateur Radio Club General meeting - 7:30 PM

Location changes monthly so call on 146.88-repeater for info. Moosehorn ARC also holds a weekly luncheon every Thursday, locations and times change — contact George Van Lone, KL7AN: don-nav@acsalaska.net

2nd Saturday each month: PARKA (Polar Amateur Radio Klub of Alaska) Meeting at 11:00 AM.

Polar Amateur Radio Klub of Alaska. All amateurs welcome. Denny's on Denali Street in Anchorage. Some business is discussed. Originally established as an all woman organization, membership now includes spouses or significant others. Talk in on 147.30+.

2nd Saturday each month (except for holidays):

VE License Exams at 2:00 PM. at Hope Cottage 540 W. International. Be sure to bring photo ID, copy of license (if any) and any certificates of completion. Contact: Jim Wiley, KL7CC 338-0662.

3rd Tuesday each month: AARC Board Meeting at 7:00 PM at Hope Cottage 540 W. International. All hams are invited and encouraged to attend.

2nd Tuesday of each month: EARS general meeting at 5:00 PM. EARS meetings are held at

the EARS shack location. Contact info - Doug Myers, KL1DJ or Ron Keech, KL7YK for information. EARS: 552-2664 (recording); Talk in on 146.67-. Email: club@KL7air.us or kl7yk@arri.net

4th Saturday of each month: Valley VE Testing at 7:00 PM. Sessions will be held at Fire Station 61, at 7 pm on the fourth Saturday of each month unless it is a major holiday weekend. Contact Ken Slauson, KL7VE, Ken.Slauson@gmail.com or 907-376-8698.

The last Saturday each month: MARA meeting at 12 Noon, Fire Station 61, located two blocks up Lucille Drive, from the Parks hwy. Talk-in help for the meeting can be acquired on either the 146.640 or 146.850 repeaters. Further details can be found by contacting Don Bush, KL7JFT, dbush@gci.net.

Every Monday at 11:00 AM: Meeting of interested Amateur Radio Operators — and lunch at Denny's on Denali. Many code and HF operators attend this function. Come talk radio with these fine folks. For information, contact Kathy O'Keefe, KL7KO, kokalaska@gmail.com

Every Saturday at 7:00 AM: Meeting of a group of Amateur Radio Operators at Denny's on Denali for breakfast. Topics? Radio, photography, and upcoming events For information, contact Kathy O'Keefe, KL7KO, kokalaska@gmail.com.

THE AARC ANTENNA

AARC web page & Email contact addresses:

Homepage: <http://www.KL7AA.net/>

Webmaster: [webmaster at kl7aa.net](mailto:webmaster@kl7aa.net)

Membership: [membership at kl7aa.net](mailto:membership@kl7aa.net)

Newsletter: [editor at kl7aa.net](mailto:editor@kl7aa.net)

Internet Links, the favorites from our readers:

AARC <http://www.KL7AA.net>

SCRC <http://www.KL7G.org>

EARS <http://www.kl7air.us>

MARA <http://www.kl7jfu.com>

Moose Horn ARC <http://www.moosehornarc.com>

PARKA <http://www.parka-kl7ion.com>

ARES <http://www.aresalaska.org>

Practice Exams : <http://www.AA9PW.com>

Fairbanks AARC: <http://www.kl7kc.com/>

ALASKA MARS: <http://www.akmars.org>

Alaska VHF-Up Group: <http://www.kl7uw.com/avg.htm>

Béthel Amateur Radio Klub: <http://www.al7yk.org/>

Yukon Amateur Radio Association: <http://www.yara.ca/>

Links for Propagation: <http://www.harp.alaska.edu/>

QRP and Homebrew Links : <http://www.AL7FS.us>

Solar Terrestrial Activity: <http://www.spaceweather.com>
<http://www.swpc.noaa.gov/>

ARRL <http://www.arrl.org/>

Propagation Report Recording 566-1819

Please let us know if there are other clubs pages or good starting points that should appear here.

HF RMS's

- Anchorage VHF ARES RMS WL7CVG- 10 144.9 (Elmendorf Moraine)
- Anchorage HF ARES RMS WL7CVG (multi-band scanning see WWW.WINLINK.ORG for frequencies)
- Palmer (MATSU) VHF RMS KL7JFT- 10 145.19
- Fairbanks VHF RMS KL7EDK- 10 147.96
- Fairbanks HF RMS KL7EDK (multi-band scanning see WWW.WINLINK.ORG for frequencies)
- South Central Digipeater WL7CVG- 4 144.9 (Knik)

NETS in ALASKA:

The following nets are active in Alaska:

VHF

- **ARES Net:** 147.27/87 103.5Hz - Thursdays at 8:00 PM local
- **No Name Net:** 146.85/.25 repeater Sundays 8:00 PM
- **South Central Simplex Net:** 146.52 FM, 144.2 USB, 446.0 FM, 432.2 USB, 223.5 FM, 927.5 FM, 1294.5 FM, 52.525 FM, 50,125 USB, 29.6 FDM, 28.4 USB, 145.01 packet (Eagle node) and 147.96 packet (Valley node).
Tuesdays 8:00 PM local
- **Alaska VHF Up Net:** 144.200 USB Saturdays 9:00 AM local
- **Statewide LINK Net:** 145.15(-) PL 123.0Hz; Sundays 8PM local
- **Alaska Morning Net:** 145.15(-) PL123.0Hz; Daily at 9:00 AM

HF

- **Alaska Sniper's Net:** 3.920 MHz 6:00 PM daily
- **Alaska Bush Net:** 7.093 MHz 8:00 PM daily
- **Alaska Motley Net:** 3.933 MHz 9:00 PM daily
- **ACWN (Alaska CW Net):** 3540 kHz, 7042 kHz, 14050 kHz Non-directed, CW calling and traffic watch for relaying NTS of other written traffic. AL7N monitors continuously. Receivers always on WL2K. (RMS connection available (AL7N@winlick.org))
- **Alaska Pacific Net:** 14.292 MHz 8:30 AM M-F
- **ERC HF Net:** 3.880 MHz—Sunday 8:30PM

ANNOUNCEMENT:

AL7N is the Alaska Section Traffic Manager. Ed is looking for Code operators for passing formal NTS traffic throughout Alaska on the AK CW Net. For more information please contact: AL7N@arrl.net.

THE AARC ANTENNA



Data You Can Use:

Frequency	Tone	Call Sign	Features	Area
147.18 -	88.5	ADES		Ft. Richardson
146.88 -	no tone	AL7LE	Phone patch	Kenai Soldotna
146.82-	103.5	WL7CWE	IRLP	Anchorage
146.76 -	123.0	KL3K	IRLP	Seward
146.94 -	103.5	KL7AA	Phone patch	Anchorage to Wasilla
224.94 -	no tone	KL7AA		Anchorage
444.70 +	103.5	KL7AA	Phone Patch	Anchorage
146.67 -	103.5	KL7AIR	MARS Station	Anchorage & Highway North
147.30 +	141.3	KL7ION		Very Wide Area
146.85 -	no tone	KL7JFU		Mat Valley
146.91 -	no tone	KL7JL		Homer
147.15 +	107.2	KL5E	Phone patch	Eagle River & Chugiak
147.33 +	103.5	WL7CVF	Cross linked to 443.900	Very Wide Area **
443.900 +	103.5	WL7CVF	Cross linked to 147.330	Very Wide Area **
147.27 +	103.5	WL7CVG	Cross linked to 443.300	Very Wide Area *
443.300 +	103.5	WL7CVG	Cross linked to 147.27	Very Wide Area *

South Central Area Simplex Frequencies	
146.52 MHz	National Calling and Emergency frequency
147.57 MHz	DX Spotting frequency
146.49 MHz	Anchorage area simplex chat
146.43 MHz	Mat-Su Valley simplex chat
147.42 MHz	Peninsula simplex chat

WINLINK	Callsign	Frequency
Anchorage ARES RMS	WL7CVG-10	144.9
Palmer (MATSU) RMS	KL7JFT-10	145.19
FAIRBANKS RMS	KL7EDK-10	147.96
South Central Digipeater	WL7CVG-4	144.9

THE AARC ANTENNA



The Anchorage Amateur Radio Club has been an ARRL Affiliated Club for more than 50 years



Are you an
ARRL Member...
Life Member?

www.arrl.org/benefits

Are you a member of ARRL?

ARRL is the American Radio Relay League. This is the national organization that advocates on behalf of amateur radio operators to the FCC and the communications industry. Consider be-

For more information about the ARRL DX Century Club Program check out: <http://www.arrl.org/awards/dxcc/>



KL7AA Mail Reflector

If you like to **stay in touch on KL7AA news** and other posts of local interest.

Step #1: First point your browser to: <http://mailman.qth.net/mailman/listinfo/kl7aa>

Step #2: On the web page you will see a section titled "Subscribing to KL7AA". Enter your e-mail address in the "Your email address" entry box.

Step #3: Pick a password for your account and enter it in the box marked "Pick a password" and then enter the same password in the box marked "Reenter password to confirm". This password will be used to change your settings on the list such as digest mode, etc.

Step #4: If you would like the e-mails in daily digest form click yes on the line marked "Would you like to receive list mail batched in a daily digest?"

Step #5: Click on the "Subscribe" button below the information that you just entered.

Step #6: Follow the directions.

THE AARC ANTENNA

ARES - Section 7, District 7 (Anchorage, ALASKA)

Mission statement:

Dedicated to amateur radio as it pertains to disaster services. The history of amateur radio operators' involvement in sending life-saving information in and out of disaster areas [and] providing help during and after earthquakes, floods, hurricanes and tornadoes. "HAM's have been there to assist local, state, and federal agencies and relief organizations such as the American Red Cross and Salvation Army." When All Else Fails, Amateur Radio.

www.ares.org

Emergency
Management
Institute



FEMA

<http://training.fema.gov/>

**ARES South Central Alaska District
Contact Information Don Bush,
KL7JFT@arrl.net**

ARES NETS:

1st Thursday: HT / Portable
2nd Thursday: Mobile Madness
3rd Thursday: RED CROSS
4th Thursday: Emergency Power

**ARES Net: Thursday Nights 8:00 PM
147.27+ PL:103.5 or
443.30+ PL 103.5**

"Alaska ARES and the Alaska Native Medical Center have in joint effort stood up a HF Remote Messaging System (HF RMS) in Anchorage. This system provides HF Radio Email Service to the area. In an emergency this system will provide digital email capabilities if we lose the Internet. It is designed to accept connections from Amateur Operators who are using either PacLink or Airmail software and a Pactor 1-3 capable Terminal Mode Controller (TNC). If the Internet is lost to the area the RMS will forward messages to another RMS over HF Radio. Being HF Radio based, the coverage area is quite large. While it is intended for intra-Alaska use we have stations from as far away as Arizona using the HF RMS to pass email traffic to the internet on occasions.

ARES also hosts a VHF RMS which provides Radio to Email service on VHF Radio in the Anchorage area.

The WL7CVG RMS's frequency listings, etc. can be found on www.Winlink.Org . "

THE AARC ANTENNA

KL7AA HAMSHACK

The KL7AA station is available for training in HF operations. Learn from an experienced HF operator about propagation, voice and Morse code modes as well as best practices and legal operation. The station is fully integrated with a PC and soundcard to operate in many digital modes.

Take advantage of this unique benefit! Arrange a session by contacting the club trustee, Keith Clark, KL7MM, (aksunlite@aol.com) to meet at the KL7AA station on Rowan Street.

Notice: Any AARC sponsored repeater, with or without an auto-patch, will always be open to all licensed amateur radio operators in the area who are authorized to operate on those frequencies. **IRLP is not authorized on KL7AA repeaters except for special events as approved by the board and trustee.**

THE AARC ANTENNA is the monthly newsletter of the Anchorage Amateur Radio Club, published by and for its members. The entire contents of this newsletter are copyrighted 2011 by the Anchorage Amateur Radio Club.

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Newsletter Submissions, Information or Corrections:

All articles from members and interested persons are very welcome. If you wish to submit any articles, jokes, cartoons, please have it typed or neatly handwritten. It can be submitted by mail, computer disk or E-mail to the newsletter editor at the address listed below. Submissions must be in the hands of the editor **no later than the 10 days prior** to the meeting. Email: [editor at kl7aa.net](mailto:editor@kl7aa.net)

Since THE AARC ANTENNA is no longer being sent out by US MAIL, we need some help from all the AARC members. We have gotten a large percentage of the e-mailed newsletters returned as undeliverable. Also we have no e-mail addresses for many of you.

Would you please e-mail "membership@KL7AA.net" with a current e-mail address and current mailing address and phone numbers (home, work, and cell — as you choose).

If you have special needs or concerns please send your comments to editor@kl7aa.net to bring to the attention of the board of AARC. Current and newsletters from years past can be found on the club website at www.KL7AA.net.

Thanks for your help in this.